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## **QSA 112A**

Powered Constant Curvature Line Array speaker

The QSA 112a is a lightweight compact two way powered line array speaker system. It features a B&C® 12" high excursion LF neodymium magnet woofer and three B&C 1" exit (1.7" voice coils) neodymium magnet HF drivers which are coupled to a waveguide providing 100°H x 15°V dispersion. A single QSA 112a provides 129.5 db SPL. The SPL and vertical dispersion increases exponentially when arraying multiple QSA 112a cabinets. The built in bi-amped power amp module consists of an 800w RMS Class D amplifier for the LF and a 200w RMS Class G amplifier for the HF. Only the best quality European electronic parts are used in the power amp module circuitry to provide superb specifications, reliability and longevity. The power amp module also provides 2 sets of dipswitches with factory presets: 1 set of 4 switches provides 8 different EQ curves to adapt the QSA 112's EQ contour to the venue and the 2nd. set of dipswitches provides 8 different delay settings, allowing delay adjustments from .25 meters to 32 meters (9.75" - 105 ft.). A rotary potentiometer allows gain adjustment settings from -9dB to +3 dB for precise gain control.



Additional power amp module features include: Four LED indicators for the power amps operation status (Power On, Overload, Limit and Protect), a ground lift switch, a balanced XLR - F input connector, a balanced XLR-M Loop output connector to daisy chain the signal input to additional QSA 112A Speakers, an auto resetting AC line circuit breaker, two Neutrik® Powercon AC connectors (one main AC in, 1 AC loop out to supply AC power to up to 3 additional QSA 112a speakers). This AC loop out powering system eliminates the need to connect lengthy individual AC power cables to each QSA 112A from the main AC power source and allows a quicker, more convenient multiple array cabinet system set up whether in a suspended or a ground stacked permanent or portable system configuration. The QSA 112a cabinet is constructed with 18mm (3/4") Baltic birch plywood and finished with scratch and scuff resistant black paint. Ergonomically placed integrated handles and mechanical hardware for suspension with a 10:1 safety factor are provided. The QSA 112a is an excellent choice for small to medium sized venues when line array performance is desired and a fast and easy set up is required, as such is the case with a ground stacked portable line array system. Using an optional Qube SS -210 speaker mounting pole allows one or two QSA 112a cabinets to be placed on top of a QSA 118sa subwoofer. The side mounted hardware is used to securely lock the array together while the SS -210's adjustable angle pole provides aiming flexibility.

Key Features: ·

- Completely Manufactured in Italy ·
- 2 way Bi-Amped powered & processed line array ·
- 12" B&C high excursion neodymium magnet woofer & three B&C 1.7" diaphragm HF drivers with 1" driver exits coupled to a waveguide with 100° H x 15° V dispersion. ·
- 800w RMS Class D LF power amplifier + 200w RMS Class G HF power amplifier 129.5 dB SPL (single cabinet) ·
- Switch mode power supply ·
- DSP controller with 8 factory EQ presets to configure the system and 8 delay line settings ·
- Cabinet constructed with 18 mm (3/4") 13 ply Baltic birch plywood, that is also internally braced to prevent undesired resonance. ·
- Cabinet features a scratch & scuff resistant black paint finish. ·
- Two ergonomically positioned carrying handles and mechanical hardware for suspension with a 10:1 safety factor built into the cabinet.

Configuration	Way 2
Built-in amplifier LF/HF	W RMS :800(L)/300(MH)
Input impedance	kOhm 22
Frequency response	@ -6dB 60Hz-20KHz
Low frequency woofer	12" (3" voice coil)
High Frequency driver	3x1" (1,7" voice coil)
Sensitivity (@ 1W/1m)	dB 98
Maximum SPL (single cabinet)	dB 129,5
Dispersion H°x V°	100°x15°
Crossover frequency	KHz 1,3
Input/link connectors types	Balanced XLR
AC power cable	A 3,5
AC power cord cable	mt.5 (16,5 feet)
Net dimensions H x L x W	cm38,2x60,5x45,5 (5"x23,6"x17,9")
Net weight	Kg 33,5/lbs 73,75