

FORTY LINE



QLS 151 System 3-Way Active, 1.600W RMS

Based on the amplification concept of the successful FIFTY LINE system, the FORTY LINE system offers high sound pressure levels with professional audio quality. Compact cabinet measurements, and lightweight enclosures, make the FORTY LINE the perfect choice for professional public address systems. Useful for most sophisticated applications, the FORTY LINE is easy to handle, small in size and totally portable. The basic set consists of two QL15 active subwoofers and two passive QL12 tops. The QL15 subwoofer is a solid bass-reflex subwoofer with a highly stressable 15" woofer with a 3" voice coil. The 3-channel amplifier, which is integrated in the QL15, provides 500watt/RMS for the internal 15" and 200+400 watt/RMS for the top unit. A digital processor, which handles the active frequency crossover, also has an integrated time and phase correction unit, active EQ unit, and extensive protective circuitry, which ensures perfect sound reproduction and the safe

operation of the power amplifier stages at all times. The QL12 top uses a 12" mid woofer and a 1" driver with a pure titanium diaphragm.

All speaker components are designed by dBTechnologies and are produced under the highest quality criteria. The specially designed HF-horn offers a wide and clear dispersion (90°x60°). As a result of these selective measurements utilizing high-class components and superior assembly processes, together with active separation and delay adjustment, the QL12 top reaches a sound pressure level of up to 128dB of crystal clear sound. A high frequency boost switch is incorporated to adapt the high frequencies to a particular acoustical environment when required.

If additional Bass SPL is required, for example during open-air performances, the basic FORTY LINE System may be extended by two QL 152 subwoofers. Due to its multi-chamber band-pass construction and the two efficient 15" woofers,



QLS 152 System 4-Way Active, 3.200W RMS

the QL152 subwoofer, which is powered by the integrated 800watt/RMS Class-H amplifier, supplies an incredible 134dB, ranging from 40-90 Hz. All amplifiers of the FORTY LINE system are equipped with powercon mains connectors with loop through. The internal temperature controlled fan and all amplifiers are protected by a dust filter. The enclosures are made of multiplex, coated with a robust lacquer in Cobalt Blue. The subwoofer features mounting points for a trolley, and the top features a flange for a stand and three M10 threaded fly points.

Due to their optimized position, the threaded fly points automatically offer an inclination of 20°. The QL15 subwoofer has a compartment built in to accommodate the mains cable and the 4-core speaker cable to connect to the QL12 top unit. Mains cable and the interconnecting cable for the QL12 are included with the QL15.

QL 12 Passive High-Mid-Unit

- 12" Woofer 2.5" Voice coil
- 1" compr. driver
- 90°x60° dispersion
- 200 - 19.000 Hz
- 128 dB SPL peak
- 3 x M10 flying points
- 1 x Speakon NL4 Connector
- 435/140x600x400mm / 17,1x5.5x23.5x15.75 in
- 23.5 kg / 51,8 lb

QL 15 Active Woofer

- 15" Woofer with 3"Voice-Coil
- TriAmp-amplifier with 500+300+100 Watts/RMS
- Integrated Audiocontroller
- Full-Wave-Limiter per channel
- 4-speed fan
- 130 dB SPL peak
- 55 - 200 Hz (90-200 Hz with QL215)
- 1 x XLR/Jack Input
- 1 x XLR Parallel-Out
- 1 x Speakon NL4 Output
- 435x700x500mm / 17.1x27.56x19.7 in
- 31.2 kg / 68,8 lb

QL 152 Active Subwoofer

- 2 x 15" Woofer 2.5" Voice coil
- Class H-amplifier with 800 W/RMS
- Integrated Audio controller
- Full-Wave-Limiter
- 4-speed Fan
- 134 dB SPL peak
- 40 - 90 Hz
- 1 x XLR/Jack Input
- 1 x XLR Parallel-Out
- 435x700x700mm / 17.1x27.56x27.56 in
- 42 kg / 92,6 lb

Optional trolley

