

Studiomaster[®]

PROFESSIONAL

Step into the amazing world

of Line Array Systems with the
Studiomaster Professional Advantage



SLA40 SERIES - SLA40T - SLA40KIT

StuDiomaster Professional marks its entry into the world of the line-array systems by setting new standards in handling, flexibility and profitability by using most modern technology and materials. The SLA40 series is simple to use & understand, quick to rig up & extremely economical!

The SLA40T is a specially designed loudspeaker module designed to form a vertical stack in varying numbers. This stack is usually flown to provide superior sound coverage in the intended listening areas. Stacked SLA40 modules form a line array for constructive summing and increased coupling. Sound dispersion of SLA40 array has a very narrow vertical dispersion angle. Therefore sound can be precisely directed where audience is present.



Features:

- Fast, integral rigging system with variable splay angles.
- HF frequency attenuation by selection of throw (long, medium, short)
- High acoustic output.
- Constant Curvature waveguide for unprecedented array coherence.
- Coverage Pattern: 100 degree x 15 degree nominal (horizontal x vertical), single unit
- Extra textured anti-scratch paint finish
- High-quality passive crossover network for maximum reliability.
- Flexible ground stack capability

SLA40 System Consists Of:

- SLA 40T: High performance dual 8", 2 way passive, 400 watts line array module.
- SLA 40 Kit: Fly bar & rigging hardware.

Enclosure Features:

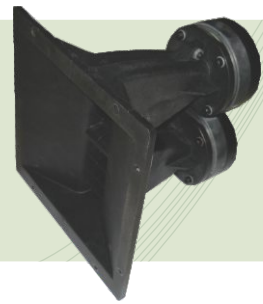
SLA40T: The SLA40T incorporates 2 x 8" Mid-Bass transducers & 1" High Duty HF transducer with state of the art Waveguide horn, all comprised into a sleek & lightweight enclosure. This Array module has a horizontal coverage angle of 100° & vertical Coverage angle of 10°.

SLA 40T



About Waveguides:

Sound Waves in open space propagate in all directions, this way they lose their power significantly. In order to counter this problem the SLA-40T incorporates waveguide driver to ensure maximum control on power & dispersion. This ensures pure performance and negates the possibilities of phase cancellations.



SLA40 Kit: The SLA40 Kit is set of essential hardware required for rigging & flying this line array system. It consist of ultra durable Flybars / Array Frames & Quick Release Pins (Push-Pull Bullets). This kit makes flying the SLA40 Series a child's play.



Advantages of a using the SLA40 line array

Studiomaster Professional SLA40 has several advantages over the horizontally stacked speaker systems normally used for covering large events. These are:

- Higher direct to reverberant ratio due to the directional nature of the system and therefore better intelligibility
- Increased feedback rejection due to increased directionality in vertical plane and therefore more acoustic gain available
- Frequency response is uniform over the coverage area
- Because of increased HF throw of the system, need for delay stacks is eliminated or reduced
- Even sound pressure level can be achieved over the entire listening area by proper articulation of the vertical array formed by SLA40
- More stage space available as SLA40 arrays are flown

The SLA-40 system can be configured in any of the following vertical formations:

- Straight Array – all modules are without tilt
- Curved Array – upper modules are curved up towards ceiling and lower ones are curved down
- J Array – upper modules are without any tilt and lower ones are curved down
- Spiral Array – The topmost module/ modules is/ are without tilt and the subsequent modules have increasing tilt with the lowest having maximum tilt



Technical Specifications:

MODEL	SLA40T
System Type	2-Way
Frequency Range (-10 dB)	75-20 KHz
Frequency Response (± 3 dB)	85-19 KHz
Horizontal Coverage Angle	100°
Vertical Coverage Angle	10°
Crossover Frequency	1700 Hz
POWER RATING	
Continuous	400 W
Program	800 W
Peak	1600 W
System Maximum SPL	132 dB
System Sensitivity (1w @ 1m) dB	100
Inside LF Driver	2x8" Woofer
Inside HF Driver	2x1.5" Driver
Nominal Impedance	8 Ohm
Enclosure	15 mm
Input Connectors	Speakon
Dimensions (L x W x H) mm	230x367x758
Net Weight (Kgs)	23

Recommended Products:

- Studiomaster Professional Amplifier DPA 2000 for SLA40T
- Studiomaster Professional Active Crossover SX-2 / SX-321 / SX-521.

Applications:

- Live Sound Reinforcement.
- Professional Touring.
- Fixed Installations in Clubs, Places of worship, Auditoriums, Theatres etc.

* Design and specification are subject to change without notice

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