

 **YAMAHA**
Make Waves

POWERED SPEAKER

DXL1K



PORTABLE POWERHOUSE

COMPACT YET POWERFUL

Despite its lightweight and compact cabinet construction, the DXL1K features a high-output 1100 W amplifier powering a high-frequency array speaker system with 10 x 1.5" drivers and a large 12" subwoofer, producing best-in-class sound pressure levels of up to 125 dB SPL. Offering an impressive 170° horizontal and 30° vertical coverage, the DXL1K delivers clear, high-quality sound consistently throughout a wide area.



J-Curve Slim Line Array

The high-frequency speaker array is comprised of 10 small-diameter 1.5" speakers. By adopting a J-curve array configuration, the high-frequency unit achieves vertical coverage of 30° across a span of 170°. With such a long, 10-driver array design the DXL1K can deliver clear, high quality sound consistently over longer distances, projecting uniform, high-quality sound from the front to the rear of the audience.



Class-leading 12-inch "compact" subwoofer

The subwoofer features a 12-inch speaker unit which is hardly "compact," and actually the largest in its class. Despite housing a 12-inch speaker unit that is the largest in its class, the DXL1K boasts the smallest cabinet on the market for a subwoofer of this size and power. By incorporating Yamaha's own Twisted Flare Port™ technology to reduce port wind noise that can occur with compact bass-reflex subwoofers, the low-end output is maximized, producing very deep, powerful, distortion-free bass.



High efficiency "1100" W Class-D amplifier

Also at the top of its class for output power, the 1100W Class-D amplifier module is capable of delivering an impressive 125 dB SPL from the deceptively compact speaker cabinet. And just as importantly, we've leveraged Yamaha's decades-long experience as a manufacturer of professional PA products, and innovator of related technologies to ensure that with great power comes great stability, and that the DXL1K maintains the same accurate, superior-quality sound even at high output.



High-grade polyurea coating

The lightweight ABS cabinet of subwoofer features a high-grade polyurea coating to prevent wear and tear during transport. It is light enough to make the system extremely portable, but also rugged and scratch-resistant enough to withstand harsh performance environments.

SUPERIOR UTILITY AND PORTABILITY

The DXL1K is an innovative column-style powered speaker system that is capable of filling a wide area with high-quality and uniform sound, lightweight enough to be easily carried by anyone, simple enough to set up in about one minute, and durable enough to withstand harsh environments.



Simple setup

Simply place the 2 spacers and speaker unit into the subwoofer and setup is essentially done, with no cables, speaker stand, or additional gear required beyond the main unit. All you need is in the package.



Expandable STAGEPAS systems

Linking a DXL1K and STAGEPAS 1K mkII provides greater coverage area and increased output power for large-scale performances. Both stereo and mono playback are supported, and when the STAGEPAS 1K mkII is set to mono, the inputs of the DXL1K and STAGEPAS 1K mkII can still be used (up to five mono inputs plus one stereo input).



Fitted cover included

The DXL1K comes with its own cover which, in addition to protecting the unit, has pouches for both spacers and speaker array as well as additional storage for accessories to further streamline system setup and teardown.



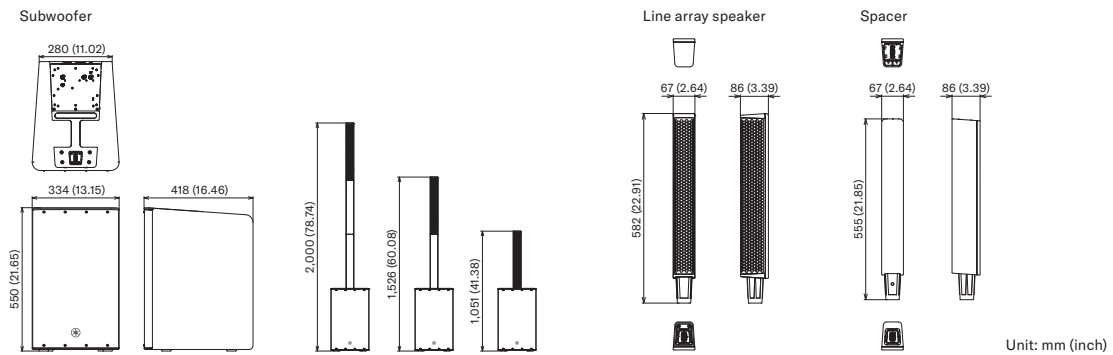
Optional dolly (DL-SP1K)

An optional dedicated dolly allows for more convenient transportation — particularly useful for performers transporting additional gear and instruments. Featuring a simple, sturdy mechanism that locks down the speaker cover the lightweight dolly enables smooth, reliable transportation.

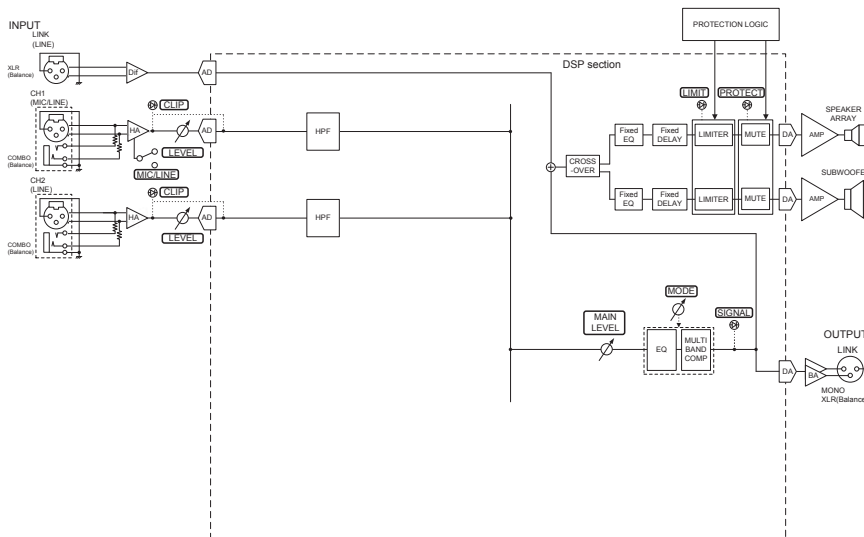
General Specifications

Main specifications	System Type		Powered subwoofer with a line array speaker
	Frequency Response (-10 dB)		37 Hz - 20 kHz
	Coverage Angle (Horizontal × Vertical)		170° × 30°
	Crossover Frequency		240 Hz
	Maximum Output Level (Measured peak, IEC noise@1 m)		125 dB SPL
	Power Requirements		100V 50Hz/60Hz, 110V-120V 60Hz, 220V-240V 50Hz/60Hz
	Power Consumption		25 W (Idle), 91 W (1/8 power)
	Dimensions (W × H × D)		System (maximum) 334 × 2,000 × 418 mm / 13.2" × 78.7" × 16.5"
Control panel	The number of Mixing Channels		2
	Analog Inputs		Mono mic/line × 1, mono line × 1
	Effects		LINK IN (MONO)
	Outputs		MODE (SPEECH/MUSIC/CLUB) LINK OUT (MONO)
Amplifier section	Rated Output	Dynamic	1,100 W
Speaker section	Enclosure		Line array speaker: Enclosed Subwoofer: Bass-reflex type
	Speaker Unit		Line array speaker: 1.5" (3.8 cm) Cone × 10 Subwoofer: 12" (30 cm) Cone
	Dimensions (W × H × D)		Line array speaker: 67 × 582 × 86 mm / 2.6" × 22.9" × 3.4" Spacer (each): 67 × 555 × 86 mm / 2.6" × 21.9" × 3.4" Subwoofer: 334 × 550 × 418 mm / 13.2" × 21.7" × 16.5"
	Weight		Line array speaker: 1.8 kg (4.0 lbs) Spacer (each): 0.6 kg (1.3 lbs) Subwoofer: 20.0 kg (44.1 lbs)
	Included in the package		Power cord, Dedicated cover, Owner's Manual
Accessories	Optional accessories		DL-SP1K (dedicated dolly)

Dimensions



Block Diagram



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<http://www.yamahaproaudio.com/>

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