

POWERED LOUDSPEAKERS

# DXR mkII Series

DXR15mkII DXR12mkII DXR10mkII DXR8mkII

## Louder, Lighter, Legendary



Since its inception, the DXR Series has long signified a confluence of raw power and technological innovation that reliably harnesses and delivers impressively high output with superior quality and clarity. The DXR Series mkII powered loudspeakers are the newly upgraded models of the series that add even more SPL and feature a larger, yet lighter 1.75" Neodymium HF compression driver for extremely clear voice reproduction and musicality. Once again our team worked in tight collaboration with touring loudspeaker specialists NEXO, adding crucial insight and expertise that led to design improvements based on the ever-evolving demands of sound reinforcement professionals. Whether for fixed applications or mobile live performances—whatever direction you want to take your sound—the DXR Series mkII is up to the task, combining raw power with our own proprietary advanced DSP functions for all the reliability and outstanding clarity you've come to expect from the DXR Series... only MORE.

## Yamaha ingenuity and NEXO expertise combine for a new lineup of DXRs

Powered Loudspeaker

### DXR15mkII

- 15" powered loudspeaker with 1100W class-D power amplifier
- The DXR15mkII achieves class-leading SPL with stunning clarity throughout its frequency response range
- Newly equipped with 1.75" Neodymium HF compression driver and high-output 15" LF unit for vocal reproduction and outstanding bottom end
- Maximum 134dB SPL of power and wide frequency response range of 49Hz-20kHz
- Ultra-Precise 48bit DSP processing for clear high-definition sound and built-in D-Contour intelligent dynamic control
- Durable and compact ABS Enclosure with symmetrical design for mirror-mode floor monitoring
- 21.8kg (48.1lbs) light weight



Powered Loudspeaker

### DXR12mkII

- 12" powered loudspeaker with 1100W class-D power amplifier
- The DXR12mkII delivers extremely high power for its compact enclosure
- Newly equipped with 1.75" Neodymium HF compression driver and high-output 12" LF unit for serious punch with clear voice reproduction
- Maximum 134dB SPL of power and wide frequency response range of 52Hz-20kHz
- Ultra-Precise 48bit DSP processing for clear high-definition sound and built-in D-Contour intelligent dynamic control
- Durable and compact ABS Enclosure with symmetrical design for mirror-mode floor monitoring
- 18.6kg (41.0lbs) light weight



Powered Loudspeaker

### DXR10mkII

- 10" powered loudspeaker with 1100W class-D power amplifier
- Compact and portable yet capable of high SPL for a wide range of applications
- Newly equipped with 1.75" Neodymium HF compression driver and high-output 10" LF unit in a compact construction
- Maximum 132dB SPL of power and wide frequency response range of 56Hz-20kHz
- Ultra-Precise 48bit DSP processing for clear high-definition sound and built-in D-Contour intelligent dynamic control
- Durable and compact ABS Enclosure
- 13.9kg (30.6lbs) light weight



Powered Loudspeaker

### DXR8mkII

- 8" powered loudspeaker with 1100W class-D power amplifier
- The most compact/lightweight DXR Series mkII powered loudspeaker
- Newly equipped with 1.75" Neodymium HF compression driver and high-output 8" LF unit in the most compact enclosure of the series
- Maximum 130dB SPL of power and wide frequency response range of 57Hz-20kHz
- Ultra-Precise 48bit DSP processing for clear high-definition sound and built-in D-Contour intelligent dynamic control
- Durable and compact ABS Enclosure
- 12.8kg (28.2lbs) ultra-light weight



# Key Features

## Improved Custom Designed Transducer

The larger and more accurate 1.75" neodymium voice coil HF compression driver unit combines with the high-output LF unit (featuring a 2.5" VC magnet for the DXR15mkII and DXR12mkII and 2" VC for the DXR10mkII and DXR8mkII) delivering very powerful, well-defined, distortion-free sound.



## High Efficiency 1100W Class-D Amplifiers

The DXR mkII's high-performance Class-D amplifier is capable of producing 1100W of power at a maximum SPL of up to 134dB delivered with outstanding clarity and accuracy.



## Ultra-Precise 48bit DSP Processing for High-Definition Sound- FIR-X Tuning™

All DXRmkII models feature Yamaha's proprietary FIR-X tuning™ which utilises linear phase FIR filters for the crossover network. FIR-X tuning™ simultaneously optimizes frequency and phase response creating a very smooth response around the crossover point realising much better clarity and imaging than is possible with typical crossovers. All of the series' tuning is a result of our collaboration with NEXO's development team.



## Intelligent Dynamic Control for Consistent Clarity at Any Output Level

D-CONTOUR is an intelligent multi-band compressor that ensures powerful and consistent sound throughout all output levels. By constantly monitoring the output of multiple frequency bands and calculating the optimum EQ adjustments for each, even the

maximum sound output maintains outstanding clarity and musicality—particularly important for the DXR Series mkII's improved output performance. With two different settings (FOH/MAIN and MONITOR) D-CONTOUR provides detailed tuning of your sound regardless of the application.

## Intelligent Onboard 3-Channel Mixer

The DXR Series mkII features a flexible onboard mixer with a variety of input, making it ideal for simple vocal/instrument amplification setups.

## Rigging Points for Standard Eye-Bolts and Optional U-Brackets

DXR Series mkII loudspeakers come equipped with rigging points, allowing for rigged application with standard eyebolts. When more versatility is required, optional U-brackets allow simple and easy rigging in both horizontal and vertical configurations.

# Specifications

		DXR15mkII	DXR12mkII	DXR10mkII	DXR8mkII	
<b>General</b>	System Type	2-way, Bi-amped Powered Speaker, Bass-reflex Type				
	Frequency Range (-10dB)	49 Hz - 20 kHz	52 Hz - 20 kHz	56 Hz - 20 kHz	57 Hz - 20 kHz	
	Coverage Angle	H 90° x V 60° Constant Directivity Horn				
	Crossover Type	FIR-X tuning™ (Linear Phase FIR Filter)				
	Crossover Frequency	2.1 kHz	2.1 kHz	2.3 kHz	2.4 kHz	
<b>Transducer</b>	Measured Maximum SPL (peak pink noise @ 1m)	134dB SPL	134dB SPL	132dB SPL	130dB SPL	
	LF	Diameter	15" Cone	12" Cone	10" Cone	8" Cone
		Voice coil	2.5"	2.5"	2"	2"
		Magnet	Ferrite			
	HF	Voice Coil	1.75"			
Diaphragm		PET				
Type		1" Throat Compression Driver				
	Magnet	Neodymium				
<b>Enclosure</b>	Material, Finish, Color	ABS, Matte Black				
	Floor Monitor Angle	50° Symmetrical	50° Symmetrical	50°	-	
	Dimensions (W x H x D, with rubber feet)	445 x 700 x 380 mm (17.5" x 27.6" x 15")	362 x 601 x 350 mm (14.3" x 23.7" x 13.8")	305 x 502 x 310 mm (12" x 19.8" x 12.2")	280 x 458 x 280 mm (11" x 18" x 11")	
	Net Weight	21.8 kg (48.1 lbs)	18.6 kg (41.0 lbs)	13.9 kg (30.6 lbs)	12.8 kg (28.2 lbs)	
	Pole Socket	35 mm x 2 (0° or -7°)				
	Rigging points	Top x 2, Rear x 1 (Fits for M10 x 18 mm eyebolts)		Top x 2, Rear x 1 (Fits for M8 x 15 mm eyebolts)		
<b>Amplifier</b>	Amplifier Type	Class-D				
	Power Rating	Dynamic	1100 W (LF: 950 W, HF: 150 W)			
		Continuous	700 W (LF: 600 W, HF: 100 W)			
	Cooling	Fan cooling, 4 speeds.				
	AD/DA	24 bit 48 kHz sampling				
	Signal Processing	48 bit (Accumulator: 76 bit)				
	HPF/LPF	OFF, 100, 120Hz 24dB/oct HPF				
	DSP preset	D-CONTOUR: FOH/MAIN, MONITOR, OFF				
	Connectors	Input	INPUT1: XLR3-31 type x 1, INPUT2: Phone x 2(Unbalanced), INPUT3: RCA PIN x 2(Unbalanced)			
		Output	THRU: XLR3-32 type x 1 (Parallel with INPUT1), LINK OUT: XLR3-32 type x 1			
Controls	LEVEL x 3, LINE/MIC, HPF, D-CONTOUR, FRONT LED DISABLE, LINK MODE, POWER					
Idle Power Consumption	35 W					
1/8 Power Consumption	110 W		90 W			

# Option

Optional Speaker Covers

**SPCVR-1501:** DXR15mkII

**SPCVR-1001:** DXR10mkII

**SPCVR-1201:** DXR12mkII

**SPCVR-0801:** DXR8mkII

Functional speaker covers that protect your speakers from unfavorable weather conditions during outdoor performances, dusty and dirty warehouse storage, or the rigors of equipment transport on the road.



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