



POWERED LOUDSPEAKERS

# DHR SERIES

DHR15 DHR12M DHR10



## PERFORMANCE. OPTIMIZED.

The DHR Series offers an ideal solution for anyone ready to step up their sound reinforcement game to a new level of professional quality, accuracy, and performance. Premium plywood cabinets finished in a tough polyurea coating provide durability not found on other loudspeakers in this class. Each model in the series has been optimized to meet the demands of a variety of sound reinforcement applications, with a 10" model for fixed installation and utilities, a 12" model designed for use as a floor monitor, and a 15" version for FOH applications—all featuring custom transducers driven by DSP-equipped class-D power amplifiers to deliver stunning sound quality and clarity. Combined with practical features adapted for their specific applications, the series gives you the flexibility to choose the ideal speaker for a wide variety of sonic environments. Isn't it time you audition DHR quality and performance to improve your sound?

### High-Efficiency 1000W Class-D Amplifiers

The DHR's lightweight, high performance Class-D amplifier is capable of producing up to 1000W\* of power, achieving an SPL of 131dB, delivered with remarkable clarity and dynamic characteristics.

\*DHR10 has an output level of 700W.



### Custom Designed Transducers

The high power output woofers deliver well-defined, powerful bass with minimal distortion, while the 1.4" precision compression driver\* produces accurate mid-range and high frequencies.

\*DHR12M features a 1.75" coaxial compression driver.



12" coaxial driver

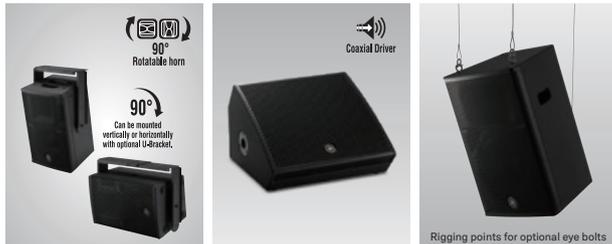
### A Rugged, Highly Portable Cabinet

The DHR series feature plywood enclosures like our acclaimed DZR loudspeakers to deliver outstanding durability and acoustic performance.



### Cabinet designs optimized for a range of audio environments

The DHR Series features a comprehensive lineup of powered loudspeakers with cabinets optimized to meet the demands of specific applications. The 10" model is equipped with rotating horns and a dedicated U-bracket for use in fixed installations and utility, while the 12" model is the first Yamaha speaker to feature a coaxial compression driver for improved clarity



DHR10

DHR12M

DHR15

and smoother frequency response for floor monitoring. The series is rounded out by a 15" model featuring dual-angle pole sockets and rigging points for use in fixed installations or as temporary main speakers for sound reinforcement.

### Easy-to-use Onboard 2-Channel Mixer

DHR Series speakers have two input channels. CH1 has a combo jack which accepts either an XLR or TRS Phone, at mic or line level allowing for either Mic or Line level input signals. CH2 offers two input options; a combo jack that accepts XLR or TRS Phone, and a pair of RCA pin Jacks for input from CD players or other stereo line-level sources. The onboard mixer allows you to select either CH1+2 MIX to mix the signal of CH1 and CH2, or CH1 THRU to pass the signal from CH1 only.

	Power Rating <sup>*1</sup>	Maximum SPL <sup>*2</sup>	Frequency Range (-10dB)	LF	HF	Coverage Angle
<b>DHR15</b>	1000W	131dB SPL	44Hz-20 kHz	15" Cone	1.4" diaphragm, 1" throat	H90° x V60°
<b>DHR12M</b>	1000W	129dB SPL	55Hz-20kHz	12" Cone (coaxial with HF)	1.75" diaphragm, 1" throat	H90° x V60°
<b>DHR10</b>	700W	127dB SPL	52Hz-20kHz	10" Cone	1.4" diaphragm, 1" throat	H90° x V60° (Rotatable)

\*1 Dynamic power \*2 Measured Maximum SPL (peak)

## Specifications

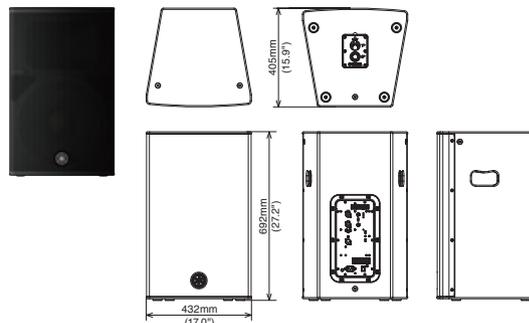
		DHR15	DHR12M	DHR10
<b>General</b>				
System Type	2-way, Bi-amped Powered Speaker, Bass-reflex			
Frequency Range (-10dB)	44Hz-20kHz	55Hz-20kHz	52Hz-20kHz	
Coverage Angle	H90° x V60°	H90° x V60°	H90° x V60° (Rotatable)	
Crossover	Type	FIR-X tuning™ (Linear phase FIR filter)		
	Frequency	1.8 kHz	1.9kHz	
Maximum SPL <sup>1</sup>	131dB SPL	129dB SPL	128dB SPL	
<b>Transducer</b>				
LF	Diameter	15" Cone	12" Cone	10" Cone
	Voice Coil	2.5"		
	Magnet	Ferrite		
HF	Diaphragm	1.4" PET	1.75" PET	1.4" PET
	Type	1" Throat Compression Driver	1" Throat Compression Driver, Coaxial	1" Throat Compression Driver
	Magnet	Ferrite		
<b>Enclosure</b>				
Material, Finish, Color	Plywood, Durable Polyurea coating, Black			
Floor Monitor Angle	-	57°	-	
Dimensions (W x H x D, with rubber feet)	432 x 692 x 405 mm 17.0" x 27.2" x 15.9"	500 x 343 x 454 mm 19.7" x 13.5" x 17.9"	305 x 494 x 300 mm 12.0" x 19.5" x 11.8"	
Net Weight	24.0 kg (52.9 lbs)	16.5 kg (36.4 lbs)	15.0 kg (33.1 lbs)	
Handles	Side x2	Side x1	Top x1	
Pole Socket	Φ35 mm x2 (0° or -7°)		Φ35 mm	
Rigging Points for eyebolts	M10 x3 (Top x2, Rear x1, L:30-50mm)	-	M10 x3 (Top x2, Rear x1, L:30-50mm)	
Options	Speaker Bracket	-	-	UB-DXRDR10
	Speaker Cover	-	-	-
<b>Amplifier &amp; DSP</b>				
Amplifier Type	Class-D			
Power Rating <sup>*1</sup>	Dynamic <sup>*2</sup>	1000W (LF: 800W, HF: 200W)		700W (LF: 500W, HF: 200W)
	Continuous	465W (LF: 400W, HF: 65W)		325W (LF: 260W, HF: 65W)
Cooling	Fan cooling, 4 speeds			
AD/DA	24 bit / 48 kHz Sampling			
HPF/LPF	OFF, 100, 120Hz 24dB/oct HPF			
DSP control, preset	D-CONTOUR (FOH/MAIN, MONITOR, OFF)			
Protection	Speaker	Clip limiting, Integral Power Protection, DC-fault		
	Amplifier	Thermal, Output over current		
	Power Supply	Thermal, Output over voltage, Output over current		
Connectors	Analog Input	INPUT1: Combo x1, INPUT2: Combo x1 + RCA-pin x2 (Unbalanced)		
	Analog Output	XLR3-32 x1 (CH1 Parallel Through or CH1+CH2 Mix)		
	AC IN	IEC AC inlet x1		
Analog Input Impedance	INPUT1 (XLR, TRS Phone) : 3kΩ, INPUT2 (XLR, TRS Phone, RCA Pin) : 10kΩ			
Analog Input Sensitivity	(LEVEL: Maximum)	INPUT1 : LINE= 0dBu / MIC= -32dBu, INPUT2= 0dBu		
	(LEVEL: Center)	INPUT1 : LINE= +10dBu / MIC= -22dBu, INPUT2= +10dBu		
Maximum Analog Input Level	INPUT1 : LINE: +24dBu, MIC: -8dBu, INPUT2 : +24dBu			
Controls	LEVEL x2, LINE/MIC, HPF, D-CONTOUR, THRU/MIX, POWER			
Power Consumption	Idle	18W		
	1/8 Power	74W	60W	
Power Requirements	100V, 110-120V, 220-240V, 110V/127V/220V(Brazil), 50/60Hz			

\*1: Measured peak SPL with pink noise @1m.

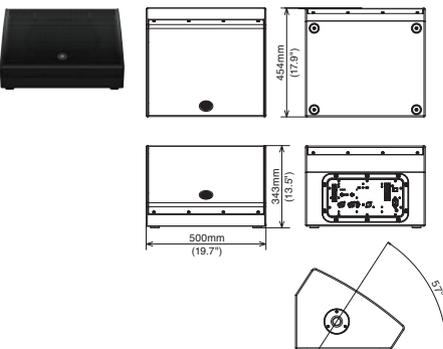
\*2: Total peak power of individual outputs (AC 120V, 25°C). This value was measured at minimum load impedance, with protection released.

## Dimensions

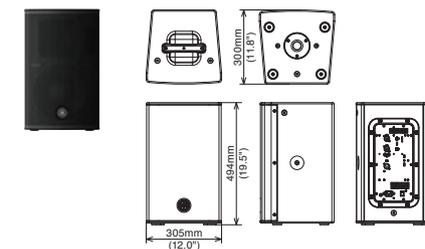
### DHR15



### DHR12M



### DHR10



## Optional Bracket

### U Bracket



Model	Compatible Speaker
UB-DXRDR10	DHR10

Allows both vertical and horizontal installation.

This brackets can also be used with other brackets like BBS251 etc.



YAMAHA CORPORATION  
P.O.BOX1, Hamamatsu Japan

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

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