



POWERED LOUDSPEAKERS

DHR SERIES

DHR15 DHR12 DHR10 DHR15M DHR12M



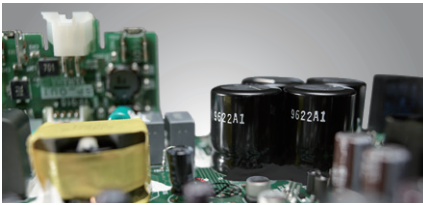
PERFORMANCE. OPTIMIZED.

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 DHR10 and DHR12 for fixed installation and utilities, DHR12M and DHR15M designed for use as floor monitors, and DHR15 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, this series gives you the flexibility to choose the ideal speaker for a wide variety of sonic environments. Take DHR for a test drive and experience the exceptional quality and performance for yourself!

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 and DHR15M feature a 1.75" coaxial compression driver.



15" coaxial driver

A Rugged, Highly Portable Cabinet

Like our acclaimed DZR loudspeakers, the DHR Series feature plywood enclosures that 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. DHR10 and DHR12 are equipped with rotating horns and a dedicated U-bracket for use in fixed installations and utility, while DHR12M and DHR15M feature a coaxial compression driver for improved clarity and smoother frequency response for floor monitoring. The series is rounded out by DHR15, which features rigging points for use in fixed installations. DHR12 and DHR15 also feature dual-angle pole sockets, allowing them to be used as temporary main speakers for sound reinforcement.



DHR10/DHR12



DHR12M/DHR15M



DHR15

The series is rounded out by DHR15, which features rigging points for use in fixed installations. DHR12 and DHR15 also feature dual-angle pole sockets, allowing them to be used 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 ¹	Maximum SPL ²	Frequency Range (-10dB)	LF	HF	Coverage Angle
DHR15	1000W	131dB SPL	44Hz-20 kHz	15" Cone	1.4" diaphragm, 1" throat	H90° x V60°
DHR12	1000W	130dB SPL	48Hz-20 kHz	12" Cone	1.4" diaphragm, 1" throat	H90° x V60° (Rotatable)
DHR10	700W	128dB SPL	52Hz-20kHz	10" Cone	1.4" diaphragm, 1" throat	H90° x V60° (Rotatable)
DHR15M	1000W	131dB SPL	50Hz-20kHz	15" Cone	1.75" diaphragm, 1" throat	H65° x V75°
DHR12M	1000W	129dB SPL	55Hz-20kHz	12" Cone	1.75" diaphragm, 1" throat	H90° x V90°

¹ Dynamic power ² Measured Maximum SPL (peak)

Specifications

		DHR15M	DHR12M	DHR15	DHR12	DHR10
General						
System Type		2-way, Bi-amped Powered Speaker, Bass-reflex				
Frequency Range (-10dB)		50 Hz-20 kHz	55 Hz-20 kHz	44 Hz-20 kHz	48 Hz-20 kHz	52 Hz-20 kHz
Coverage Angle		H65° x V75°	H90° x V90°	H90° x V60°	H90° x V60° (Rotatable)	H90° x V60° (Rotatable)
Crossover	Type	FIR-X tuning™ (Linear phase FIR filter)				
	Frequency	1.8 kHz	1.8 kHz	1.8 kHz	1.8 kHz	1.9 kHz
Maximum SPL*1		131 dB SPL	129 dB SPL	131 dB SPL	130 dB SPL	128 dB SPL
Transducer						
LF	Diameter	15" Cone	12" Cone	15" Cone	12" Cone	10" Cone
	Voice Coil	3"			2.5"	
	Magnet	Ferrite				
HF	Diaphragm	1.75" PET		1.4" PET		
	Type	1" Throat Compression Driver, Coaxial		1" Throat Compression Driver		
	Magnet	Ferrite				
Enclosure						
Material, Finish, Color		Plywood, Durable Polyurea coating, Black				
Floor Monitor Angle		57°		-		
Dimensions (W x H x D, with rubber feet)		642 x 369 x 505 mm 25.3" x 14.5" x 19.9"	500 x 343 x 454 mm 19.7" x 13.5" x 17.9"	432 x 692 x 405 mm 17.0" x 27.2" x 15.9"	359 x 578 x 340 mm 14.1" x 22.8" x 13.4"	305 x 494 x 300 mm 12.0" x 19.5" x 11.8"
Net Weight		23.0 kg (50.7 lbs)	16.5 kg (36.4 lbs)	24.0 kg (52.9 lbs)	19.2 kg (42.3 lbs)	15.0 kg (33.1 lbs)
Handles		Side x1		Side x2	Top x1, Side x2	
Pole Socket		Φ35 mm x1		Φ35 mm x2 (0° or -7°)		Φ35 mm x1
Rigging Points for eyebolts		-		Top x 2, Rear x 1 (Fit for M10 x 30-50mm Eyebolts)	Top x 2, Rear x 1 (Fit for M10 x 30-50mm Eyebolts), Bottom x2, Side x 2 (Fit for M8 x 55mm UB-DXRDRH12)	Top x 2, Rear x 1 (Fit for M10 x 30-50mm Eyebolts), Bottom x2, Side x 2 (Fit for M8 x 55mm UB-DXRDRH10)
Options	Speaker Bracket	-	-	-	UB-DXRDRH12	UB-DXRDRH10
Amplifier & DSP						
Amplifier Type		Class-D				
Power Rating*1	Dynamic*2	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 x 1 (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.



YAMAHA CORPORATION
P.O.BOX1, Hamamatsu Japan

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

*All specifications are subject to change without notice.

*All trademark and registered trademarks are property of their respective owners.

*Please visit our Web site for the latest information
(<http://www.yamahaproaudio.com/>)



Yamaha Pro Audio
official Instagram



@yamaha_proaudio_official

