



LOUDSPEAKERS

# CHR SERIES

CHR15 CHR12 CHR10 CHR15M CHR12M



## PERFORMANCE. OPTIMIZED.

The CHR 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 CHR12 and CHR10 for fixed installation and utilities, CHR15M and CHR12M designed for use as floor monitors, and CHR15 for FOH applications —all featuring carefully selected custom transducers. Combined with practical features adapted for their specific applications, the CHR series gives you the flexibility to choose the ideal speaker for a wide variety of sonic environments. Take CHR for a test drive and experience the exceptional quality and performance for yourself!

### 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.

\*CHR12M and CHR15M feature a 1.75" coaxial compression driver



15" coaxial driver

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

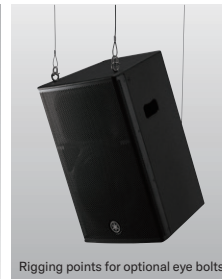
The CHR Series features a comprehensive lineup of loudspeakers with cabinets optimized to meet the demands of specific applications. The 10" model is equipped with rotating horns and a dedicated U-bracket for use in fixed installations and utility, while the 12" model is the first Yamaha speaker to feature a coaxial compression driver for improved clarity and smoother frequency response for floor monitoring. The series is rounded out by a 15" model featuring dual-angle pole sockets and



CHR10/CHR12



CHR12M/CHR15M



CHR15

rigging points for use in fixed installations or as temporary main speakers for sound reinforcement.

### A Rugged, Highly Portable Cabinet

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



### Intelligent processing to maximize system performance

When used in combination with Yamaha PX Series amplifiers or other compatible signal processors, CHR Series loudspeakers can take full advantage of dedicated speaker processing



tuning settings. Additionally, the DHR/CHR Series can also be used to construct a system in combination with Yamaha subwoofers (visit Yamaha pro-audio website for more information).

	Power Handling <sup>1</sup>	Maximum SPL <sup>2</sup>	Frequency Range (-10dB)	LF	HF	Coverage Angle
<b>CHR15</b>	1000W	125dB SPL	49Hz-20 kHz	15" Cone	1.4" diaphragm, 1" throat	H90° x V60°
<b>CHR12</b>	1000W	124dB SPL	54Hz-20 kHz	12" Cone	1.4" diaphragm, 1" throat	H90° x V60° (Rotatable)
<b>CHR10</b>	700W	122dB SPL	55Hz-20kHz	10" Cone	1.4" diaphragm, 1" throat	H90° x V60° (Rotatable)
<b>CHR15M</b>	1100W	125dB SPL	58Hz-20kHz	15" Cone	1.75" diaphragm, 1" throat	H65° x V75°
<b>CHR12M</b>	1000W	123dB SPL	61Hz-20kHz	12" Cone	1.75" diaphragm, 1" throat	H90° x V90°

<sup>1</sup> EIA426-A, Passive peak <sup>2</sup> Calculated Maximum SPL (peak)

# Specifications

		CHR15M	CHR12M	CHR15	CHR12	CHR10
<b>General</b>						
System Type		2-way Speaker, Bass-reflex				
Frequency Range (-10dB)		58 Hz - 20 kHz	61 Hz - 20 kHz	49 Hz - 20 kHz	54 Hz - 20 kHz	55 Hz - 20 kHz
Coverage Angle		H65° x V75°	H90° x V90°	H90° x V60°	H90° x V60° (Rotatable)	H90° x V60° (Rotatable)
Crossover Frequency		2.0 kHz	1.5 kHz	2.0 kHz	2.0 kHz	2.5 kHz
Nominal Impedance		8Ω				
Power Rating (EIA 426-A)	NOISE	275W		250W		175W
	PGM	550W		500W		350W
	MAX	1100W		1000W		700W
Sensitivity (1W, 1m) *1		95 dB SPL	93 dB SPL	95 dB SPL	94 dB SPL	93 dB SPL
Maximum SPL (Calculated, 1m) *1		125 dB SPL	123 dB SPL	125 dB SPL	124 dB SPL	122 dB SPL
<b>Transducer</b>						
LF	Diameter	15" Cone	12" Cone	15" Cone	12" Cone	10" Cone
	Voice Coil	3"		2.5"		2"
	Magnet	Ferrite				
HF	Diaphragm	1.75" PET		1.4" PET		
	Type	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)		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		21.3 kg (47.0 lbs)	15.6 kg (34.4 lbs)	22.0 kg (48.5 lbs)	17.1 kg (37.7 lbs)	13.7 kg (30.2 lbs)
Handles		Side x1		Side x2	Top x1, Side x2	Top x1
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-DXRDR12)	Top x 2, Rear x 1 (Fit for M10 x 30-50mm Eyebolts), Bottom x2, Side x 2 (Fit for M8 x 55mm UB-DXRDR10)
Connectors		SpeakON NL4MP x 3 (Parallel)		SpeakON NL4MP x 2 (Parallel)		
Options	Speaker Bracket	-	-	-	UB-DXRDR12	UB-DXRDR10

\*1: Full space (4π)

## Optional Bracket

### U Bracket



Model	Compatible Speakers
UB-DXRDR10	CHR10
UB-DXRDR12	CHR12
UB-DZR10H/V	CZR10
UB-DZR12H/V	CZR12
UB-DZR15H/V	CZR15

\*You can use the U-bracket in combination with optional brackets sold separately. For more information, visit the following Yamaha Pro Audio website.  
<https://www.yamahaproaudio.com/>



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

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