

Powered Loudspeakers DBR Series

DBR10 DBR12 DBR15



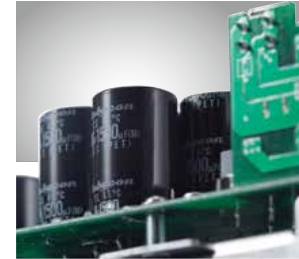
POWER TO PLAY

Wherever your music may take you, DBR Series loudspeakers are up to the task of delivering powerful, high-quality sound with an un-matched economy of transport and setup time. The most portable powered loudspeakers Yamaha has to offer, the versatile DBR Series harnesses the same state-of-the-art Yamaha DSP and amplifier and speaker technologies developed for the professional DSR Series and DXR Series lineups, ensuring high-resolution sound at any output level. Comprised of 10", 12" and 15" models, each DBR loudspeaker is housed in a newly designed, durable, lightweight cabinet optimized for FOH sound, floor-monitoring and even rigged applications. Whether you're powering your band's live performance, DJ-ing a party, or MC-ing an event, be prepared for DBR Series speakers to take your performance to the next level.

High-Efficiency 1000W Class-D Amplifiers

The DBR's lightweight, high performance Class-D amplifier is capable of producing up to 1000W* of power, achieving an SPL of 132dB, delivered with remarkable clarity and dynamic characteristics.

*DBR10 has an output level of 700W.



Custom Designed Transducer

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.

*DBR10 features a 1" compression driver.



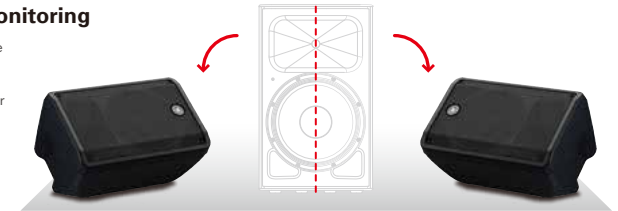
A Rugged, Highly Portable Cabinet

DBR Series speakers feature a compact, lightweight, and durable plastic cabinet which offers the highest level of portability of all Yamaha powered speakers. The sleek steel grill bolsters cabinet durability and protects the internal components while a newly designed ergonomic handles provide effortless transportation and system setup.



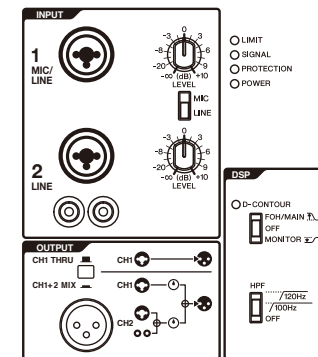
Smart Enclosure Design for Floor Monitoring

DBR Series speakers feature an optimized 50° wedge angle for floor monitoring. In addition the DBR12 and DBR15's symmetrical shape allows for effortless configuration of a mirror-mode floor monitoring system in either symmetrical or stereo sound field setups.



Easy-to-use Onboard 2-Channel Mixer

DBR Series speakers have two input channels. CH1 has a combo jack which accepts both XLR and TRS Phone allowing for either Mic or Line level input signals. CH2 offers two input options; a combo jack that accepts XLR or TRS Phone, and an RCA pin jack 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.



Rigging Points for Installation Applications

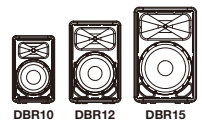
DBR loudspeakers come equipped with M8 rigging threads, allowing for rigged applications with optional speaker brackets or standardized eye-bolts.

*Speaker brackets and eye-bolts are not included.



Power Rating ^{*1}	Maximum SPL ^{*2}	Frequency Range	LF	HF	Coverage Angle
DBR10 700W	129dB SPL	55Hz-20kHz	10" cone	1" diaphragm, 1" throat	H90°x V60°
DBR12 1000W	131dB SPL	52Hz-20kHz	12" cone	1.4" diaphragm, 1" throat	H90°x V60°
DBR15 1000W	132dB SPL	50Hz-20kHz	15" cone	1.4" diaphragm, 1" throat	H90°x V60°

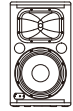
*1 Dynamic Power *2 Measured Maximum SPL (peak)



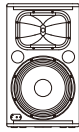
DBR Series 14

Specifications

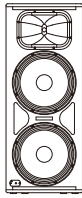
DSR Series



DSR112



DSR115



DSR215

General			
System Type	2-way, Bi-amp powered speaker, Bass-reflex type		
Frequency Range (-10dB)	55Hz - 20kHz	45Hz - 20kHz	45Hz - 20kHz
Coverage Angle	H90° x V60° constant directivity horn		
Crossover Type	FIR-X tuning™ (Linear phase FIR filter)		
Crossover Frequency	1.7kHz		
Measured Maximum SPL (peak)	134dB SPL	136dB SPL	138dB SPL
IEC noise@1m			

Transducer			
LF	Diameter	12" cone	15" cone
	Voice Coil	3"	2.5"
	Magnet	Neodymium	Ferrite
HF	Diaphragm	2"	
	Type	1" throat compression driver	
	Magnet	Neodymium	

Enclosure			
Material, Finish, Color	Wood, LINE-X®, Black		
Floor Monitor Angle	50°	-	-
Dimensions (W x H x D, with rubber feet)	370 x 638 x 368mm (14.6" x 25.1" x 14.5")	442 x 755 x 423mm (17.4" x 29.7" x 16.7")	467 x 1158 x 520mm (18.4" x 45.6" x 20.5")
Net Weight	21.2kg (47lbs)	28.0kg (62lbs)	49.8kg (110lbs)
Handles	Top x 1	Side x 2	-
Pole Socket	35mm (Bottom x 1)		
Rigging Points	Top x 2, Rear x 1 (Fits for M10 x 18mm eyebolts)	-	-
Optional Speaker Bracket	-		

Amplifier	
Amplifier Type	Class-D
Power Rating*1	Dynamic 1500W (LF: 1020W, HF: 480W) Continuous 1300W (LF: 850W, HF: 450W)
Cooling	Natural convection
HPF/LPF	OFF, 120Hz 24dB/oct HPF
DSP preset	D-CONTOUR (Dynamic CONTOUR)
Protection	Speaker Clip limiting, Integral Power Protection, DC-fault Amplifier Thermal, Output over current Power Supply Thermal, Output over voltage, Output over current
Connectors	Input XLR-3-31 x 1 TRS Phone Jack x 1 Output XLR-3-32 x 1 Parallel with INPUT
Input Impedance	INPUT1: LINE: 12kΩ, MIC: 8kΩ
Input Sensitivity (LEVEL: Maximum)	INPUT1: LINE: 0 dBu, MIC: -25 dBu
Input Sensitivity (LEVEL: Center)	INPUT1: LINE: +7 dBu, MIC: -18 dBu
Maximum Input Level	INPUT1: LINE: +24 dBu, MIC: -11 dBu
Controls	LEVEL, LINE/MIC, HPF, D-CONTOUR, FRONT LED DISABLE, POWER
Idle Power Consumption	30W
1/8 Power Consumption	100W
Power Requirements	100V - 240V, 50Hz/60Hz

0dBu is referenced to 0.775Vrms.
*1 Power rating (120V, 25°C). This is total value of individual output power.

DXR Series



DXR8



DXR10



DXR12



DXR15

General			
2-way, Bi-amp powered speaker, Bass-reflex type			
57Hz - 20kHz	56Hz - 20kHz	52Hz - 20kHz	49Hz - 20kHz
H90° x V60° constant directivity horn			
FIR-X tuning™ (Linear phase FIR filter)			
2.4kHz	2.3kHz	2.1kHz	2.1kHz
129dB SPL	131dB SPL	132dB SPL	133dB SPL

Transducer			
8" cone	10" cone	12" cone	15" cone
2"	2"	2.5"	2.5"
Ferrite	Neodymium		
1.4"	1.4"		
1" throat compression driver			
Ferrite			

Enclosure			
ABS, Matte black			
-	50°	50° Symmetrical	50° Symmetrical
280 x 458 x 280 mm (11.0" x 18.0" x 11.0")	305 x 502 x 310 mm (12.0" x 19.7" x 12.2")	362 x 601 x 350 mm (14.2" x 23.6" x 13.7")	445 x 700 x 380 mm (17.5" x 27.5" x 15.0")
13.5kg (29.8lbs)	14.6kg (32.2lbs)	19.3kg (42.5lbs)	22.5kg (49.6lbs)
Top x 1	Side x 2	Side x 2	-
35mm with 2-way feature (0 or 7 degrees)			
Top x 2, Rear x 1 (Fits for M8 x 15mm eyebolts)	Top x 2, Rear x 1 (Fits for M10 x 18mm eyebolts)	-	-
UB-DXR8	UB-DXR10	UB-DXR12	UB-DXR15

Amplifier	
Class-D	1100W (LF: 950W, HF: 150W) 700W (LF: 600W, HF: 100W)
Cooling	Fan cooling, 4 speeds
HPF/LPF	OFF, 100, 120Hz 24dB/oct HPF
DSP preset	D-CONTOUR: FOH/MAIN, MONITOR, OFF
Protection	Clip limiting, Integral Power Protection, DC-fault Thermal, Output over current Power Supply Thermal, Output over voltage, Output over current
Connectors	INPUT1: XLR3-31 x 1, INPUT2: Phone x 2, INPUT3: RCA PIN x 2 THRU: XLR3-32 x 1 (Parallel with INPUT1), LINK OUT: XLR3-32 x 1
Input Impedance	INPUT1: LINE: 12kΩ, MIC: 8kΩ INPUT2, 3: L, R: 40kΩ, MONO: 20kΩ
Input Sensitivity (LEVEL: Maximum)	INPUT1: LINE: +1 dBu, MIC: -32 dBu INPUT2, 3: -13 dBu
Input Sensitivity (LEVEL: Center)	INPUT1: LINE: +11 dBu, MIC: -22 dBu INPUT2, 3: -3 dBu
Maximum Input Level	INPUT1: LINE: +24 dBu, MIC: +20 dBu INPUT2, 3: +16 dBu
Controls	LEVEL x 3, LINE/MIC, HPF, D-CONTOUR, FRONT LED DISABLE, LINK MODE, POWER
Idle Power Consumption	35W
1/8 Power Consumption	90W
Power Requirements	100V - 240V, 50Hz/60Hz

DBR Series



DBR10



DBR12



DBR15

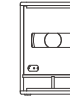
General		
2-way, Bi-amp powered speaker, Bass-reflex type		
55Hz - 20kHz	52Hz - 20kHz	50Hz - 20kHz
H90° x V60° constant directivity horn		
FIR-X tuning™ (Linear phase FIR filter)		
2.1kHz	2.1kHz	2.1kHz
129dB SPL	131dB SPL	132dB SPL

Transducer		
10" cone	12" cone	15" cone
2"	2"	2.5"
Ferrite	Neodymium	
1"	1.4"	
1" throat compression driver		
Ferrite		

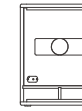
Enclosure		
Plastic, Black		
50°	50° Symmetrical	50° Symmetrical
308 x 493 x 289 mm (12.1" x 19.4" x 11.4")	376 x 601 x 348 mm (14.8" x 23.7" x 13.7")	455 x 700 x 378 mm (17.9" x 27.6" x 14.9")
10.5 kg (23.2 lbs)	15.8 kg (34.8 lbs)	19.3 kg (42.6 lbs)
Top x 1	Side x 2	-
35mm (Bottom x 1)		
Bottom x 2 (Fit for M8 x 15 mm eyebolts)	Bottom x 2, Rear x 1 (Fit for M8 x 15 mm eyebolts)	-
BBS251, BCS251, BWS251-300, BWS251-400		

Amplifier	
Class-D	700 W (LF: 500 W, HF: 200 W) 1000 W (LF: 800 W, HF: 200 W) 325 W (LF: 280 W, HF: 65 W) 465 W (LF: 400 W, HF: 65 W)
Cooling	Fan cooling, 4 speeds
HPF/LPF	OFF, 100, 120Hz 24dB/oct HPF
DSP preset	D-CONTOUR: FOH/MAIN, MONITOR, OFF
Protection	Clip limiting, Integral Power Protection, DC-fault Thermal, Output over current Power Supply Thermal, Output over voltage, Output over current
Connectors	INPUT1: Combo x1 INPUT2: Combo x1 + RCA-pin x2 (Unbalanced) XLR3-32 x 1 (CH1 Parallel Through or CH1+CH2 Mix)
Input Impedance	INPUT1 (XLR, TRS Phone) : 3kΩ INPUT2 (XLR, TRS Phone, RCA Pin) : 10kΩ
Input Sensitivity (LEVEL: Maximum)	INPUT1 : LINE: 0 dBu, MIC: -32 dBu INPUT2 : 0 dBu
Input Sensitivity (LEVEL: Center)	INPUT1 : LINE: +10 dBu, MIC: -22 dBu INPUT2: +10 dBu
Maximum Input Level	INPUT1 : LINE: +24 dBu, MIC: -8 dBu INPUT2 : +24 dBu
Controls	LEVEL x2, LINE/MIC, HPF, D-CONTOUR, THRU/MIX, POWER
Idle Power Consumption	18W
1/8 Power Consumption	60W
Power Requirements	100 V, 100-120V, 220-240 V, 110/127/220V (Brazil), 50/60Hz

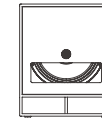
DXS Series



DXS12



DXS15



DXS18

General		
Powered subwoofer, Band-pass type		
47Hz - 160Hz	45Hz - 160Hz	32Hz - 120Hz
-		
-		
-		
131dB SPL	132dB SPL	136dB SPL

Transducer		
12" cone	15" cone	18" cone
2.5"	2.5"	4"
Ferrite	Neodymium	
-	-	
-	-	
-	-	

Enclosure		
Wood, LINE-X®, Black		Plywood, LINE-X®, Black
-		
397 x 563 x 594 mm (15.6" x 22.2" x 23.4")	478 x 618 x 624 mm (18.8" x 24.3" x 24.5")	563 x 683 x 721 mm (22.2" x 26.8" x 28.4")
33.0kg (72.8lbs)	38.0kg (83.8lbs)	49.7kg (110lbs)
Side x 2	-	-
35mm (Top x 1)	35 mm (depth 80 mm) & M20 (threaded depth 25 mm)	-
-	-	-
-	-	-

Amplifier	
Class-D	950W 1020W 600W 800W
Cooling	Fan cooling, 4 speeds Natural convection
HPF/LPF	80, 100, 120Hz 24dB/oct LPF
DSP preset	D-XSUB: BOOST, XTENDED-LF, OFF D-XSUB: BOOST, XTD LF, NORMAL
Protection	Clip limiting, Integral Power Protection, DC-fault Thermal, Output over current Thermal, output through current Power Supply Thermal, Output over voltage, Output over current Thermal, over voltage
Connectors	INPUT: XLR3-31 x 2 THRU: XLR3-32 x 2 (Parallel with INPUT) XLR-3-32 x 2 (THROUGH or HPF POST)
Input Impedance	INPUT1: 10kΩ INPUT1: 20kΩ
Input Sensitivity (LEVEL: Maximum)	- INPUT1: 0 dBu
Input Sensitivity (LEVEL: Center)	- INPUT1: +11 dBu
Maximum Input Level	- INPUT1: +24 dBu
Controls	LEVEL, POLARITY, LPF, D-XSUB, FRONT LED DISABLE, POWER LEVEL, POLARITY, X-OVER, D-XSUB, CARDIOD, THROUGH HPF POST, POWER, FRONT LED DISABLE
Idle Power Consumption	35W
1/8 Power Consumption	120W
Power Requirements	100V - 240V, 50Hz/60Hz 100W