

DSR Series

Powered Loudspeaker



DSR215 DSR115 DSR112 DSR118W

Advanced DSP and power technology deliver stunning sound.

DSR215, DSR115, DSR112

- Output levels up to 138dB SPL with 1500W of power
- Precise 48-bit DSP processing with Yamaha's proprietary FIR-X tuning delivers high-definition sound
- D-CONTOUR intelligent multi-band dynamic processing delivers powerful, consistently high-quality sound at all output levels in FOH applications
- Extensive DSP protection functions for maximum output
- Custom-designed transducers and top-quality components add up to unequalled performance
- Extremely accurate 90° x 60° constant directivity horn
- Universal switching-mode power supply with PFC for world-wide use
- Locking IEC power cables prevent accidental disconnection.
- Durable enclosures with rugged LINE-X® exterior coating
- Heavy-duty 16-gauge powder-coated steel grilles for extended durability
- DSR115, DSR112: includes a 35mm pole socket for stand or pole mounting and integrated M10 rigging points for suspended applications with standard eyebolts.

DSR118W

- 18" bass-reflex powered subwoofer delivers 132 dB SPL from 50Hz to 110Hz (-3 dB) for accurate, space-filling bass.
- Low frequency output extends down to 40Hz at -10 dB.
- 1000-watt Class-D amplification powered by an exceptionally clean PFC switching power supply delivers solid power and reproduction accuracy with high efficiency.
- Fail-safe protection for power supply, power amplifier, and transducer
- Locking IEC power cable prevents accidental disconnection.
- Top-panel pole mount facilitates mounting a full-range speaker above the subwoofer.
- Heavy-duty 16-gauge powder-coated steel grilles for extended durability
- Durable enclosures with rugged LINE-X® exterior coating

GENERAL SPECIFICATIONS

Model	DSR215	DSR115	DSR112	DSR118W
Speaker Type	2-way, Bi-amp powered speaker, Bass-reflex type			Powered subwoofer, Bass-reflex type
Frequency Range	-10dB 45Hz - 20kHz	45Hz - 20kHz	55Hz - 20kHz	40Hz - 130Hz
Nominal coverage (Horizontal x Vertical)	90° x 60°			-
Maximum SPL (peak) IEC noise @ 1m	138dB SPL	136dB SPL	134dB SPL	132dB SPL
Components	LF	2 x 15" cone, 2.5" voice coil	15" cone, 3" voice coil, Neodymium	12" cone, 3" voice coil, Neodymium
	HF	2" Titanium diaphragm compression driver, 2" voice coil, Neodymium		18" cone, 3" voice coil
Crossover	Type	FIR-X tuning™ (linear phase FIR filter)		
	Frequency	1.7kHz		
Amplifier Type	Class-D			-
Power rating*1	Dynamic	1500W (LF: 1020W, HF: 480W)		1020W
	Continuous	1300W (LF: 850W, HF: 450W)		800W
Cooling	Natural convection			
Controls	LEVEL control, LINE/MIC switch, HPF switch, D-CONTOUR switch, FRONT LED DISABLE switch			LEVEL control, POLARITY switch, FRONT LED DISABLE switch
HPF frequency	120Hz (-6dB) 24dB/oct			-
Boost type	D-CONTOUR (Dynamic CONTOUR)			-
Protection	Load	POWER switch on/off, DC-fault, Integral Power Protection, Clip limiting		
	Amplifier	Thermal, Output through current		
	Power Supply	Thermal, Over voltage		
Power Requirements	100V - 240V, 50Hz/60Hz			
Power Consumption 1/8 Power	140W	100W		-
Flying Hardware	-	3 x M10 (TOP L/R 1pc each, Bottom rear 1pc)	3 x M10 (TOP L/R 1pc each, Bottom rear 1pc)	-
Pole socket Diameter	-	35mm (Bottom Board)	35mm (Bottom Board)	35mm (Top Board)
Dimensions (W x H x D)	467x1158x520mm (18.4"x45.6"x20.5")	442x755x423mm (17.4"x29.7"x16.7")	370x638x368mm (14.6"x25.1"x14.5")	520x638x584 mm (20.5"x25.1"x23.0")
Weight	49.8kg (110lbs)	28.0kg (62lbs)	21.2kg (47lbs)	42.0kg (93lbs)
Externals finish, color	LINE-X®, Black			
Grille	16 gauge matte black powder coated perforated steel grille			
Metal Handle	2pcs (Side Board)	2pcs (Side Board)	1pc (Top Board)	2pcs (Side Board)

*1 Power rating (120V, 25°C). This is total value of individual output power.

INPUT SPECIFICATIONS

Model	DSR215	DSR115	DSR112	DSR118W
Connectors	Input	XLR-3-31 x 1, TRS Phone Jack x1		XLR-3-31 x 2
	Output	XLR-3-32 x 1, Parallel connection with INPUT		XLR-3-32 x 2 Parallel connection with INPUT
Input Sensitivity	LEVEL position: maximum	LINE: 0dBu MIC: -25dBu		0dBu
	LEVEL position: center (12 O'clock)	LINE: +7dBu MIC: -18dBu		-
Maximum Input Level	+24dBu (MIC/LINE switch:LINE), -11dBu (MIC/LINE switch:MIC)			+24dBu
Input Impedance	12kΩ (MIC/LINE switch:LINE), 8kΩ (MIC/LINE switch:MIC)			10kΩ

DIMENSIONS

