

# 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	18" cone, 3" voice coil
	HF	2" Titanium diaphragm compression driver, 2" voice coil, Neodymium		
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

