

# DSR Series

## DSR112



### *Outstanding Performance in FOH or Floor Monitor Applications*

- 1300-watt bi-amped full-range speaker system featuring custom-designed transducers: one 12" cone driver and one 2" titanium-diaphragm compression driver.
- HF compression driver couples to a 90° x 60° long-throw broad-dispersion constant-directivity waveguide horn.
- Advanced digital sound processing provides Yamaha's proprietary FIR-X tuning(TM) technology for the smoothest possible crossover transitions, plus D-CONTOUR(Dynamic-CONTOUR) multi-band dynamic processing that achieves consistently outstanding balance and clarity at any output levels.
- Digital processing is handled by high performance DSP chips and discrete 24-bit ADCs and DACs (48-bit internal processing) for superior signal-to-noise ratio and dynamic range.
- Class-D amplification powered by an exceptionally clean PFC switching power supply delivers class-leading power and reproduction accuracy with high efficiency.
- High degree of DSP-controlled protection functions over the power supply, power amplifiers and transducers ensures fail-safe operation.
- Locking IEC power cable prevents accidental disconnection.
- Heavy-duty 16-gauge powder-coated steel grilles for extended durability.
- Rugged LINE-X® exterior coating.
- Includes 35mm pole socket for stand mounting, plus integrated M10 rigging points for suspended application.

## DSR118W



### *High Power and Accuracy in a Remarkably Compact Design*

- 18" bass-reflex active 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.
- 800-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.
- Rugged LINE-X® exterior coating.

## DSR112

### SYSTEM

<b>Type</b>	12" 2-way, Bi-amp Powered Speaker, Bass-reflex Type	
<b>Transducer</b>	LF	12" cone (3" voice coil, Neodymium Magnet)
	HF	2" Titanium diaphragm compression driver (2" voice coil, Neodymium Magnet)
<b>Frequency range (-10dB)</b>	55Hz ~ 20kHz	
<b>Frequency response (-3dB)</b>	60Hz ~ 18kHz	
<b>Coverage angle</b>	H90° x V60°	
<b>Crossover type</b>	FIR-X tuning (linear phase FIR filter)	
<b>Crossover frequency</b>	1.7kHz	
<b>Max. SPL (peak)</b>	<b>IEC noise @ 1m</b>	134dB SPL

### AMPLIFIER

<b>Amplifier type</b>	Class-D	
<b>Power rating</b>	1300W (LF:850W, HF:450W)	
<b>Cooling</b>	Natural Convection	
<b>Controls</b>	LEVEL control, LINE/MIC switch, HPF switch, D-CONTOUR switch, FRONT LED DISABLE switch, POWER switch	
<b>HPF frequency</b>	120Hz (-6dB) 24dB/oct	
<b>Boost type</b>	D-CONTOUR (Dynamic CONTOUR)	
<b>Protection</b>	<b>Load</b>	POWER switch on/off, DC-fault, Integral Power Protection, Clip limiting
	<b>Amplifier</b>	Thermal, Output through current
	<b>Power supply</b>	Thermal, Over voltage
<b>Connectors</b>	<b>Input</b>	XLR-3-31 x 1 (Balanced), TRS Phone Jack x1 (Balanced)
	<b>Output</b>	XLR-3-32 x 1 (Balanced), Parallel connection with INPUT
<b>Power Consumption</b>	<b>1/8Power</b>	100W

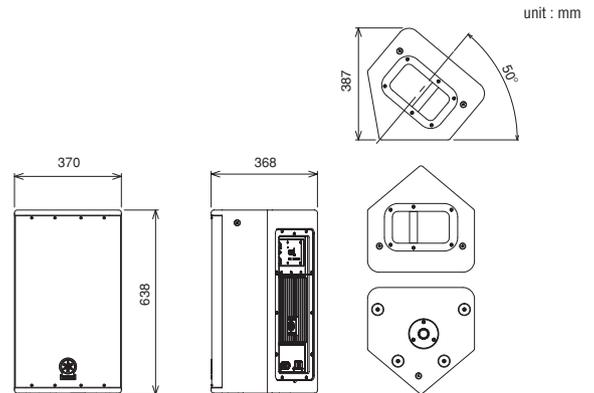
### ENCLOSURE

<b>Dimension (W x H x D)</b>	370x638x368mm (14 5/8"x25 2/8"x14 4/8")	
<b>Weight</b>	21.2kg (47lbs)	
<b>Externals finish, color</b>	LINE-X <sup>®</sup> , Black	
<b>Grille</b>	16 gauge matte black powder coated perforated steel grille	
<b>Metal Handle</b>	1pc (Top Board)	
<b>Pole socket</b>	<b>Diameter</b>	35mm (Bottom Board)
	<b>Flying hardware</b>	3 x M10 (TOP L/R 1pc each, Bottom rear 1pc)

### INPUT SPECIFICATIONS

<b>Input</b>	<b>LEVEL position: maximum</b>	0dBu (MIC/LINE switch:LINE), -25dBu (MIC/LINE switch:MIC)
<b>Sensitivity</b>	<b>LEVEL position: center (12 O'clock)</b>	+7dBu
<b>Maximum Input Level</b>		+24dBu (MIC/LINE switch:LINE), -11dBu (MIC/LINE switch:MIC)
<b>Input Impedance</b>		12k $\Omega$ (MIC/LINE switch:LINE), 8k $\Omega$ (MIC/LINE switch:MIC)

### DIMENSIONS



## DSR118W

### SYSTEM

<b>Type</b>	18" Powered Subwoofer, Bass-reflex Type	
<b>Transducer</b>	LF	18" cone (3" voice coil, Ferrite Magnet)
<b>Frequency range (-10dB)</b>	40Hz ~ 130Hz	
<b>Frequency response (-3dB)</b>	50Hz ~ 110Hz	
<b>Max. SPL (peak)</b>	<b>IEC noise @ 1m</b>	132dB SPL

### AMPLIFIER

<b>Amplifier type</b>	Class-D	
<b>Power rating</b>	800W	
<b>Cooling</b>	Natural Convection	
<b>Controls</b>	LEVEL control, POLARITY switch, FRONT LED DISABLE switch, POWER switch	
<b>Protection</b>	<b>Load</b>	POWER switch on/off, DC-fault, Integral Power Protection, Clip limiting
	<b>Amplifier</b>	Thermal, Output through current
	<b>Power supply</b>	Thermal, Over voltage
<b>Connectors</b>	<b>Input</b>	XLR-3-31 x 2 (Balanced)
	<b>Output</b>	XLR-3-32 x 2 (Balanced) Parallel connection with INPUT
	<b>Power</b>	AC inlet x 1
<b>Power Consumption</b>	<b>1/8Power</b>	100W

### ENCLOSURE

<b>Dimension (W x H x D)</b>	520x638x584 mm (20 4/8"x25 2/8"x23")	
<b>Weight</b>	42.0kg (93lbs)	
<b>Externals finish, color</b>	LINE-X <sup>®</sup> , Black	
<b>Grille</b>	16 gauge matte black powder coated perforated steel grille	
<b>Metal Handle</b>	2pcs (Side Board)	
<b>Pole socket</b>	<b>Diameter</b>	35mm (Top Board)

### INPUT SPECIFICATIONS

<b>Input</b>	<b>LEVEL position: maximum</b>	0dBu
<b>Sensitivity</b>		
<b>Maximum Input Level</b>		+24dBu
<b>Input Impedance</b>		10k $\Omega$

### DIMENSIONS

