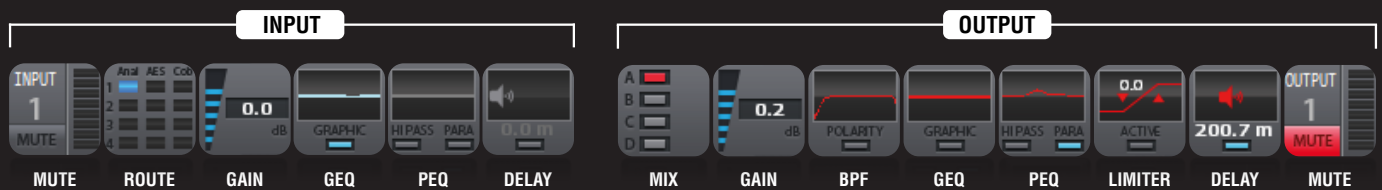


BSS MSR SERIES SIGNAL MANAGEMENT SYSTEM



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With BSS's newly-developed MSR Series Signal Management System, audio signal processing and system management now becomes a breeze. Exceptional sonic performance, flexible installation and intuitive control, MSR Series makes audio signal control and tuning simple and easy for clubs, bars, and restaurant bars where music is always around.

To enhance user experience and friendliness, MSR Series is designed to be controllable through either the intuitive graphic user interface on PC or the 3.5" full-color LCD touch screen on the front panel, without connection to the controller software and ideal for quick operation in the field.

Multiple audio signal processing functions are available from the MSR Series, including Gain, Route, Mix, GEQ, PEQ, BPF, Compressor/Limiter, etc. 31-band graphic equalizer makes input and output signal tuning a job effortless. 9-band parametric equalizer with filters of various kinds, e.g. Bessel, Butter-worth and Linkwitz-Riley, guarantees stunning performance of the system. Compressor/limiter especially designed for output channels further ensure safe and stable operation of the entire system.

For crossover networking, MSR differentially combines advanced FIR filter with conventional IIR filter, with the former satisfying the linear phase with excellent fabric property and the latter minimizing mutual interference between speaker units. Whenever a tender or powerful sound is expected, S. Dynamic offers flexible options of tone color tuning with its DEFAULT or ENHANCED modes.

MSR Series includes two models:

- MSR260 (2 Inputs × 6 Outputs)
- MSR480 (4 Inputs × 8 Outputs)

FEATURES

- Crossover incorporates FIR and IIR filters
- Intuitive and versatile graphic user interface
- Built-in full color LCD touch panel for quick operation
- Dual ETHERNET port for GUI control and cascade connection of multiple units
- 50 user presets available
- Optional modes (Default & Enhanced) for S. Dynamic

BSS MSR SERIES

SIGNAL MANAGEMENT SYSTEM



SPECIFICATIONS

Classification	Details	MSR260	MSR480
A/D, D/A Performance	Internal Sampling Rate	96KHz	
	A/D, D/A Bit Resolution	24Bit	
	Dynamic Range	115dB(@A-weight)	
Analog	Inputs and outputs	2 Inputs, 6 Outputs	4 Inputs, 8 Outputs
	Input Impedance	20K Ω Balanced	
	Maximum Input Level	20dBu(@0dB Input Gain)	
	THD+N	< 0.005%(0dB, 1KHz)	
	Frequency Response	20-20KHz(< \pm 0.25dB)	
	Interchannel Crosstalk	-100dB(@0dB, 1KHz)	
Input Processing	Digital Interface (AES/EBU)	(N/A)	4 Inputs, 8 Outputs
		(N/A)	Up to 96KHz
	GEQ/CH	31Band(+15dB ~ -15dB Range)	
	PEQ/CH	9Band (Bell, Hi-Shelf, Lo-Shelf Support)	
	Input Routing	Support	
Output Processing	Input Delay	1,300 msec (10 usec period)/Ch	
	GEQ/CH	31Band(+15dB ~ -15dB Range)	
	PEQ/CH	9Band (Bell, Hi-Shelf, Lo-Shelf Support)	
	Cross-over	Provide up to 1x2,1x3,1x4	
	Filter	Bessel 12,18,24,36,48 dB/oct	
		Buttor-worth 12,18,24,36,48 dB/oct	
		Linkwitz-Riley 12,18,24,36,48 dB/oct	
		FIR Filter (Max 1100 Tabs/share All)	
	Polarity	Positive/Negative	
	Phase Control	0~ 179° (by 5°)	
	Output Delay	1,300 msec (10 usec period)/CH	
	Limiter	-20dBu ~ +20dBu Threshold	
		Attack Time : 0.3 m~ 100 msec	
		Release Time: \times 2,4,8,16,32 Attack Time	
Connectors	Analog/Digital Input / Output	3Pin XLR (For Analog Only)	3Pin XLR
Control	MGMT	100 Base-T (RJ45 2port)	
Power	Operation Voltage	100~240V AC (50/60Hz)	
	Power Consumption	< 30W maximum	
LCD	LCD type/ inch	3.5 Inch Full Color LCD (Touch Support)	
General	Dimension	480mm \times 350mm \times 88mm (2U) Rackmountable	
	Weight	5.5 Kg	5.6 Kg