



**SD-16/SD-20/SD-24 Single 15-inch/single 18-inch/single 18-inch DSP Active Line Array Ultra-low Speaker**



**Features:**

Model	SD-16	SD-20	SD-24
Frequency response	40Hz-250Hz(±3dB)	35Hz-250Hz(±3dB)	35Hz-250Hz(±3dB)
Nominal impedance	LF 4ohm	LF 4ohm	LF 4ohm
Input sensitivity	103dB LF(1W/1m)	103dB LF(1W/1m)	103dB LF(1W/1m)
Directivity	None	None	None
Frequency division point	None	None	None
Bass unit	1x15"	1x18"	1x18"
AES power	1000W	1200W	1400W
Peak power	2000W	2400W	2800W
Maximum SPL	131dB	135dB	135dB
Size	622x454x440mm	710x575x521mm	893x575x521mm
Weight	38kg	44.5kg	47kg

**Parameters of power amplifier module:**

Rated power 4 ohms	2500W@4ohm,THD 1%	2500W@4ohm,THD 1%	2500W@4ohm,THD 1%
Rated power 8 ohms	1500W@8ohm,THD 1%	1500W@8ohm,THD 1%	1500W@8ohm,THD 1%
Frequency response	20Hz-20KHz	20Hz-20KHz	20Hz-20KHz
Supply voltage	85V-265Vac with PFC	85V-265Vac with PFC	85V-265Vac with PFC
Standby power consumption	Yes (<0.9W)	Yes (<0.9W)	Yes (<0.9W)
Power connector	1 blue Powercon switch, 1 white Powercon switch output connector		
Signal to noise ratio	120dB	120dB	120dB
Damping coefficient	> 1000 ( 8ohm load,1KHz or below)		
Distortion	<0.05(20Hz-20KHz 8ohm load)		
Input impedance	Balanced 20KΩ, unbalanced 10KΩ		



Input interface	1 XLR Canon female input, 1 XLR Canon male output, plus 1 10-position		
Gain	32dB	32dB	32dB
Protection Circuit	Over Voltage Protection, Short Circuit Protection, Current Limiting, DC Fault Protection, AC Fuse Protection, Overheat Protection.		

#### DSP parameters:

Input/output mute	Separate mute control for each channel		
Input/output gain	Adjustment range: -60dB ~ +10dB, Step distance 0.1dB	Adjustment range -80dB~0dB	Adjustment range -80dB~0dB
Input/output phase	Noninverting (+) or inverting (-)	Noninverting (+) or inverting (-)	Noninverting (+) or inverting (-)
Input/output delay	Adjustment range 0-15.518ms	Adjustment range 0-128ms, less than 10ms, the step distance is 21us, greater than 20ms, the step distance is 0.5ms	Adjustment range 0-128ms, less than 10ms, step distance 21 us, more than 20 ms, step distance 0.5ms
Output limiter	-20dB~0dB	-135dB~20dB	-135dB~20dB
Divider settings	A low-pass filter (LPF) and a high-pass filter (HPF) can be separately set for each output channel to adjust parameters.	A low-pass filter (LPF) and a high-pass filter (HPF) can be separately set for each output channel to adjust parameters.	A low-pass filter (LPF) and a high-pass filter (HPF) can be separately set for each output channel to adjust parameters.
Filter type	Linkwitz/Bessel/Butterworth, frequency turning point 20H-20KHz, gain adjustment range: -30dB~+15dB	Linkwitz/Bessel/Butterworth, frequency turning point 20H-20KHz, gain adjustment range: -30dB~+15dB	Linkwitz/Bessel/Butterworth, frequency turning point 20H-20KHz, gain adjustment range: -30dB~+15dB
EQ equalization	12-segment EQ equalization	12-segment EQ equalization	12-segment EQ equalization
Number of DSP channels	1 Analog Input, 3 Analog Output	1 Analog Input, 2 Analog Output	1 Analog Input, 2 Analog Output
Processor	96KHz sampling frequency, 24Bit processor, 24Bit A/D and D/A conversion	96KHz sampling frequency, 64Bit processor, 24Bit A/D and D/A conversion	96KHz sampling frequency, 64Bit processor, 24Bit A/D and D/A conversion
PC connection mode	USB, RS-485, 2 types in total	USB, RS-485, Ethernet (Ethernet) 3 types in total	USB, RS-485, Ethernet (Ethernet) 3 types in total