



# SP26 - LOUDSPEAKER MANAGEMENT SYSTEM

# SP SERIES LIVE SOUND & INSTALLATION

### FEATURES

- High performance 2 in 6 out loudspeaker processor
- High dynamic range
- Convenient front panel controls or remote operation
- Universal mains voltage operation

### APPLICATIONS

- Bars And Clubs
- Live Sound Reinforcement
- Ballrooms
- Conference / Speech
- Worship
- Theatres / Performing Arts
- Corporate AV events

### DESCRIPTION

The HH Electronics SP26 is a fully featured 2-IN/6-OUT digital speaker management system. Featuring 2 analog inputs and 6 analog outputs, each managed by a powerful DSP Engine. Each input channel provides PEQ, gain control, Dynamic Low boost, noise gate function, RMS compressor, internal White/Pink Noise Generator, and configurable delay. Each output offers up to 7 PEQ and crossover filters.

Easy setup is assured with intuitive front panel controls and an interactive LCD display for local setup, or a dedicated PC control interface for remote monitoring and configuration via USB or RS485.

The SP26 loudspeaker process is the perfect counterpart to any HH speaker system, suitable in an array of applications, such as live sound, indoor/outdoor events, public address, theatrical performance, and touring. It also comes pre-loaded with expertly created audio pre-sets for use with the TNA line array system, for easy setup straight out of the box.



### SPECIFICATIONS

<b>Audio</b>		
Inputs	Two Electronically Balanced XLR Inputs	
Outputs	Six Electronically Balanced XLR Outputs	
Minimum Load	150 Ohms	
THD%N	0.001% at 1kHz 0dBu	
S/N	>106dB	
Frequency Response	20Hz-20kHz; -0.5dB by at 20Hz and 20kHz	
AD/DA Converters	24bit, 48kHz	
<b>General</b>		
Presets	48 user presets (16 pre-loaded TNA examples, may be erased)	
Other	Audio Ground Lift switch, USB/RS485 ground lift switch	
Remote	RS485 in/out XLR connectors for remote monitoring	
<b>DSP</b>		
DSP Engine	DSP, 24bit (data) x 96 bit (coeff.)	
DSP Resolution	24bit (data) x 24 bit (coeff.), 54 bit accumulators. 96 bit precision on intermediate processing data	
Parametric Equalisation	11 filters per input, 7 filters per output	
Filter Type	Bell, Shelving	
Filter Gain	From -12dBu up to +12dBu by 0.5dBu resolution steps	
Centre Frequency	from 20Hz up to 20kHz with 1Hz resolution steps	
Filter Q/BW	Q from 0.4 up to 128	
Input Gain	From -12dB to +12dB by 0.1dBu resolution steps;	
Output Gain	From -18dB to +12dB by 0.1dBu resolution steps;	
Crossover Section HPF/LPF	Butterworth 6/12/18/24/36/48 dB per octave. Bessel 12/24 dB per octave. Linkwitz-Riley 12/24/36/48 dB per octave	
Internal Noise Generator	White/ Pink Noise; Level from -30dBu to 0dBu	
Input Noise Gate	Threshold from -90dBu up to -60dBu. Attack time from 1ms up to 1000ms; Release time from 10ms up to 1000ms	
Input RMS Compressor	Threshold from -14dBu up to +16dBu and Bypass. Ratio 2:1~100:1; Knee: 0% ~ 100%. Attack time from 5ms up to 200ms; Release time from 0.1 sec up to 3 sec	
Output RMS Compressor	Threshold from -14dBu up to +16dBu and Bypass. Ratio 2:1~100:1; Knee: 0% ~ 100%. Attack time from 5ms up to 200ms; Release time from 0.1 sec up to 3 sec	
Output Peak Limiter	Threshold from -14dBu up to +16dBu and Bypass. Attack time from 5ms up to 200ms; Release time from 0.1 sec up to 3 sec.	
Dynamic Loudness Filter	Input: Boost Filter from 0% to 100%; Frequency from 20Hz to 20kHz. Output(Only for output 1,3,5): Attenuation Filter from 0dBu to -6dBu; Frequency. 20Hz to 1kHz Q from 1 to 9.9 step 0.1	
Delay	900 ms 10.4us increment/decrement steps per input channel. 340 ms 10.4us increment/decrement steps per output channel	
Residual Noise	<-90dBu	
<b>Power Requirements</b>		
AC Power	Universal voltage 100V-240V~ 50/60Hz, three pin IEC socket	
AC Power Consumption	<30W	
<b>Sizes</b>		
Unit dimensions (HWD)	44 x 483 x 229mm, 1.7" x 19" x 9"	
Unit weight	3.5Kg, 7.7 lbs	
Carton dimensions (HWD)	9 x 53 x 30CM, 3.5" x 20.9" x 11.8", 0.014 M3	
Packed weight	4.5Kg, 9.9 lbs	
EAN	5060109457957	

