



**PSSO HSP MK2 SMPS amplifier**

Stereo PA amplifier with integrated SMPS

- Class H technology
- Advantages in low weight and little space due to switch mode power supply
- High impulse stability
- Limiter and speaker switch-on delay
- 3 operating modes can be selected (stereo, parallel or bridged)

- No. 10451682 .....HSP-1000
- No. 10451686 ..... HSP-2100
- No. 10451690 ..... HSP-2800
- No. 10451694 .....HSP-4000



**Technical specifications:**

	HSP-1000	HSP-2100	HSP-2800	HSP-4000
Device:	HSP-1000	HSP-2100	HSP-2800	HSP-4000
Power supply:	230 V AC, 50 Hz ~	230 V AC, 50 Hz ~	230 V AC, 50 Hz ~	230 V AC, 50 Hz ~
Power consumption:	1000 W (1/8 power)	1500 W (1/8 power)	1500 W (1/8 power)	2000 W (1/8 power)
Power output (RMS):				
Stereo 4 ohm	2 x 500 W	2 x 650 W	2 x 1400 W	2 x 2000 W
Stereo 8 ohm	2 x 310 W	2 x 1050 W	2 x 850 W	2 x 1200 W
8 ohm bridged	1 x 1000 W	1 x 2200 W	1 x 3000 W	1 x 4100 W
Frequency response:	20-20000 Hz	20-20000 Hz	20-20000 Hz	20-20000 Hz
Signal-to-Noise ratio:	>80 dB	>90 dB	>90 dB	>80 dB
Total harmonic distortion:	<0.1 %	<0.1 %	<0.1 %	<0.1 %
Damping factor:	>200	>300	>300	>200
Voltage gain:	38 dB	38 dB	38 dB	32 dB
Slew rate:	>20 V/μsec	>20 V/μsec	>20 V/μsec	>20 V/μsec
Crosstalk:	>70 dB	>70 dB	>70 dB	>65 dB
Input sensitivity:	32 dB/1.0 V/0.775 V, switchable	32 dB/1.0 V/0.775 V, switchable	32 dB/1.0 V/0.775 V, switchable	32 dB/1.0 V/0.775 V, switchable
Input impedance:	20 kohms (balanced), 10 kohms (unbalanced)	20 kohms (balanced), 10 kohms (unbalanced)	20 kohms (balanced), 10 kohms (unbalanced)	20 kohms (balanced), 10 kohms (unbalanced)
Input connectors:	2 x XLR	2 x XLR	2 x XLR	2 x XLR
Output connectors:	2 x Speaker, screw terminals, 2 x XLR feed-through output	2 x Speaker, screw terminals, 2 x XLR feed-through output	2 x Speaker, screw terminals, 2 x XLR feed-through output	2 x Speaker, screw terminals, 2 x XLR feed-through output
Protection:	Overheat, overload, short-circuit, over-current, DC voltage, softstart, VHF signals	Overheat, overload, short-circuit, over-current, DC voltage, softstart, VHF signals	Overheat, overload, short-circuit, over-current, DC voltage, softstart, VHF signals	Overheat, overload, short-circuit, over-current, DC voltage, softstart, VHF signals
Cooling:	2 temperature-controlled fans, front-to-rear	2 temperature-controlled fans, front-to-rear	2 temperature-controlled fans, front-to-rear	2 temperature-controlled fans, front-to-rear
Controls:	Power switch, input attenuators, mode switch stereo/parallel/bridged, input sensitivity parallel, bridge (globally), protect, clip, signal (per channel)	Power switch, input attenuators, mode switch stereo/parallel/bridged, input sensitivity parallel, bridge (globally), protect, clip, signal (per channel)	Power switch, input attenuators, mode switch stereo/parallel/bridged, input sensitivity parallel, bridge (globally), protect, clip, signal (per channel)	Power switch, input attenuators, mode switch stereo/parallel/bridged, input sensitivity parallel, bridge (globally), protect, clip, signal (per channel)
LED indicators:				
Construction:	Steel chassis, aluminum front panel	Steel chassis, aluminum front panel	Steel chassis, aluminum front panel	Steel chassis, aluminum front panel
Dimensions:	483 x 400 x 89 mm Rack installation with 2 U	483 x 400 x 89 mm Rack installation with 2 U	483 x 505 x 89 mm Rack installation with 2 U	483 x 505 x 89 mm Rack installation with 2 U
Weight:	8 kg	10 kg	13 kg	14 kg