

SP 4.500

D-CLASS MONO AMPLIFIER

600 W

USS universal speakers simulator

ADC ADVANCED D-CLASS

ULTRA Compact



POWER SUPPLY	
Nominal power supply voltage	11 ÷ 15 VDC
Pulse Operating voltage	6 ÷ 16 VDC
Idling current	1.1 A
Idling current when off	0.03 mA
Consumption @ 14.4 VDC, MIN load impedance (Max Musical Power)	27 A
Remote IN	6 ÷ 15 VDC (9 mA)
DC-REM - Remote Turn on by SPK DC from BTL speakers outputs	3.5 ÷ 7 VDC

AMPLIFIER STAGE	
Distortion - THD @ 1 kHz, 4Ω, 70% Rated Power	<0.02%
Damping factor @ 1 kHz, 4Ω, 2 VRMS	>150
Bandwidth @ -3 dB	10 Hz ÷ 35 kHz
S/N ratio (A weighted @ 1 V Input)	100 dBA
Pre-In sensitivity	0.6 ÷ 6 VRMS
Speaker-In sensitivity	2.2 ÷ 22 VRMS
Minimum load impedance	@ 4Ch: 2Ω
	@ 3Ch: 2Ω + 2Ω + 4Ω
	@ 2Ch: 4Ω
Output power (RMS) @14.4 VDC, 1% THD:	
4Ch	90 W x 4 (4Ω)
4Ch	150 W x 4 (2Ω)
3Ch	80 W x 2 (4Ω) + 330 W x 1 (4Ω)
3Ch	145 W x 2 (2Ω) + 300 W x 1 (4Ω)
2Ch	300 W x 2 (4Ω)

CEA SPECIFICATION	
	Output power @ 4Ω 1% THD+N, 14.4 V
	75 W x 4 Ch
	SN ratio (ref. 1 W output)
	81 dBA

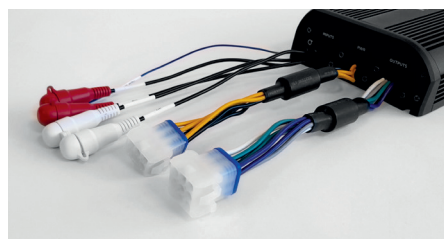
INPUTS / OUTPUTS / FILTERS	
Inputs	Pre IN / Speaker IN
Filters:	Full
	Hi-pass: 50 ÷ 5k Hz @ 12 dB/Oct.
	Lo-pass: 50 ÷ 5k Hz @ 12 dB/Oct.
Filters:	Full
	Hi-pass: 50 ÷ 5k Hz @ 12 dB/Oct.
	Lo-pass: 50 ÷ 5k Hz @ 12 dB/Oct.
Bass Boost 45Hz (adjustable)	OUT 3 - 4 (0 ÷ 8 dB) [LP = ON only]

GENERAL	
IP Rating	IP55
Operating Temperature Range	0°C (32°F) to 55°C (131°F)

SIZE / WEIGHT	
Max size (mm/inch)	192.7 x 130 x 49 / 7.59 x 5.12 x 1.93
Weight (kg/lbs)	1.9 / 4.18



1. Up to 87% efficiency thanks to ADC (Advanced D-Class) output stage.
2. USS (Universal Speakers Simulators) allows SP 4.500 to work with head units featuring the "speaker load detection" circuit.
3. 90 W RMS x 4 (4Ω) with ultra-compact size: 192.7 x 130 x 49 / 7.59 x 5.12 x 1.93 (mm/inch)
4. IP55 aluminium chassis for maximum protection against humidity and external agents.
5. No cooling fan to prevent internal accumulation of dirt.
6. Sealed power cord, line inputs and speaker outputs to prevent oxidation.
7. Crossovers filters and controls on a single side to facilitate calibration when the product is installed.
8. Balanced fully-differential high-noise rejection inputs.
9. ART (Automatic Remote Turn-On/Off) automatically turns on/off the amplifier when the OEM head-unit turns on/off (can be enabled/disabled).



Sealed connectors



Maximum versatility

