



# SPA2060

## SINEWAVE POWER AMPLIFIERS



The SPA206 has an overall power rating of 2x 60 watts. The power amplifiers can be set to 100V, 70V and 8 ohm outputs. They have short-to-ground, short-circuit detection and line-impedance surveillance up to 5% deviation using the DIVA8 and IDA8 range of products for loudspeaker-line surveillance.

They support both single-spur and redundant cabling (A/B). The amplifiers have a changeover facility for spare power amplifier switching. Both features are facilitated by the DIVA8 and IDA8 controllers and slaves. The amplifiers have a 24 VDC back-up supply input.

### Functions

The power amplifiers receive line-level input signals from the DIVA8 and IDA8 controllers and slaves. The display shows the VU-meter reading, when the EN54-16 default switch is inhibited.

### MAIN CHARACTERISTICS

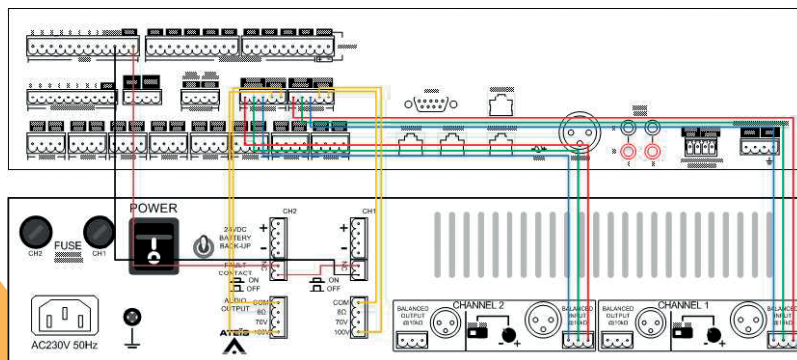
- ▶ 2 audio outputs (selection from 100V / 70V / 8ohm outputs)
- ▶ Fault reporting outputs
- ▶ Two audio inputs with gain-set
- ▶ Advanced audio processing for each amplifier channel using DIVA8 or IDA8 controllers and slaves
- ▶ Amplifier supervision and spare amplifier switching using DIVA8 or IDA8 controllers and slaves
- ▶ Loudspeaker line and loudspeaker supervision using DIVA8 or IDA8 controllers and slaves

### CONTROLS AND INDICATORS

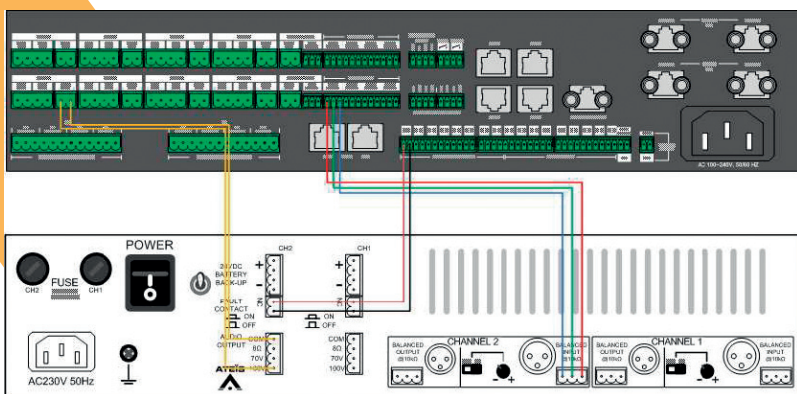
- ▶ LED VU metering
- ▶ Status indicators for: Overload, Temperature control, Battery and Mains

### INTERCONNECTIONS

- ▶ Rear
- ▶ Rotary volume control
- ▶ Mains switch
- ▶ Mains input
- ▶ Battery backup input
- ▶ Two line inputs
- ▶ 100V, 70V, and 8ohm outputs (for each amplifier channel)



▶ DIVA8



▶ IDA8 8



# SPA 2060

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### CERTIFICATIONS AND APPROVALS

#### Region Certifications

Europe	CE	CE - 0359 (Intertek)
	Immunity	according to EN50103-4

### PARTS INCLUDED

Quantities	Components
1	SPA 2xxx Sinewave Power Amplifier
1	Power cord
1	Set of mounting brackets for 19" rack
1	Set of connectors
1	Set of feet

### TECHNICAL SPECIFICATIONS

#### Electrical

##### Mains power supply

Voltage 230VAC  $\pm 10\%$ , 50/60Hz

Power consumption\*\* standby - idle\* - Pmax

**SPA 2060** 16W - 74W - 154W

\* Idle: Measured with 10 Volt surveillance tone on the output.

\*\* (Total Mains-power consumption)

#### Battery power supply

Voltage 21-28VDC

Power consumption\*\* standby - idle\* - Imax

**SPA 2060** 0.19A - 1.5A - 3.2A

\*\* (Per ch. @ 28VDC)

\*(Alarm cycle + 10V pilot-tone @ 28VDC)

#### Line inputs 2 x (One per channel)

Connector (electronically balanced) 3-pin XLR and 3-pin phoenix

Frequency response  $\pm 3\text{dB}$  @ 40Hz to 20kHz

S/N  $> 90\text{dB}$

THD  $< 1\%$  @ 1kHz

Input range -6dBV to 6dBV / 770mV

Input impedance 22kohm

#### Loudspeakers outputs

Rated load resistance 100ohm (100V); 50ohm (70V)

Rated load capacitance 60nF (100V); 125nF (70V)

Rated output power (per channel) 60W (cont. at 40°C)

#### Frequency response

S/N 40Hz to 20kHz ( $\pm 3\text{dB}$ )

Crosstalk  $> 90\text{dB}$  (no pilot tone)

Distortion  $< 80\text{dB}$  at nominal load for 1kHz

$< 1\%$  (@ 1kHz) @ -10dB of rated output

#### Mechanical

Dimensions for 19" rack use, with brackets (H x W x D) 2RU, 88 x 425 x 305mm (3-1/2" x 16-3/4" x 12")

Weight 10.6kg (23.4lbs)

Mounting rack mount

Color RAL7016

#### Environmental

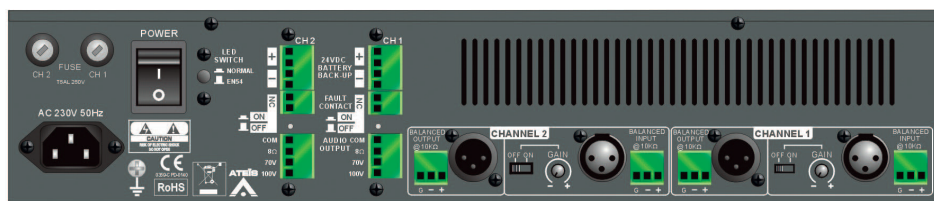
Operating Temperature  $-5^\circ\text{C} - 55^\circ\text{C}$  ( $23^\circ\text{F} - 131^\circ\text{F}$ )

Storage Temperature  $-40^\circ\text{C} - 70^\circ\text{C}$  ( $-40^\circ\text{F} - 158^\circ\text{F}$ )

Relative Humidity 15% to 90%

Air Pressure 600 to 1100hPa

Manufacturer reserves the right to alter specifications without notice



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