

SLA series

Installation ultra-compact amplifiers

WORK® presents the SLA series, composed of two ultra-compact amplifiers designed to fix installation that require high quality audio amplification. Both models include a class D amplifier, each one with its own output power (up to 2 x 150 W for SLA 300).

SLA amplifiers are controlled through RS 485/DMX or VCO (0-5 V). If you select DMX control, only one channel controls the volume and the status mode (standby/ON). If you prefer use COMMAND control you have a set of commands to control each channel separately. Thanks to their reduced size and DIN-rail format, integration is easier than ever, as they go unperceived in the installation.

The integration of SLA devices comes out when customizing the installation according with powers supply requirements. In this way, the installation can choose power supply source with the correct power supply required from a wide range of sources.

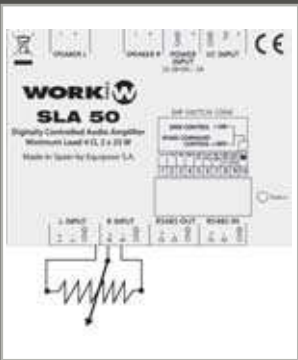
Features

- Ultra-compact amplifiers with D class technology.
- Managed through RS485/DMX or VCO (0-5 V).
- Gain and Standby mode controlled through a unique channel.
- Additional DIP switch for operating mode selection and DMX start up channel.
- Din-rail format to optimize its integration in any installation.

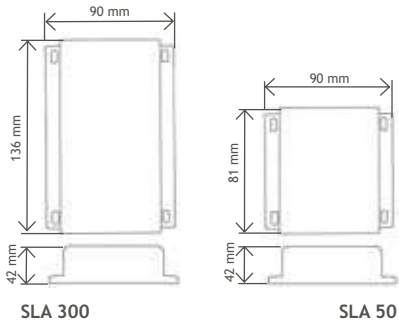


SLA 50

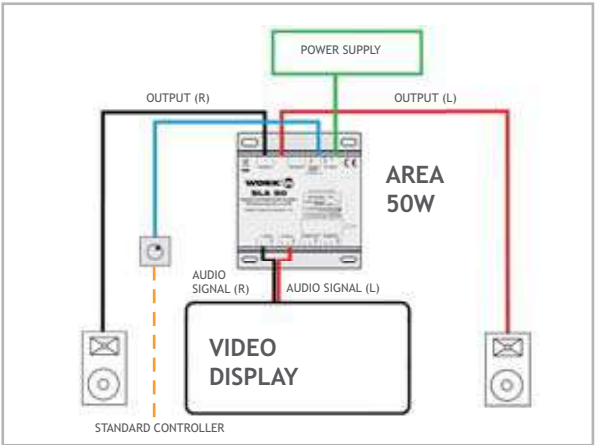
SLA 300



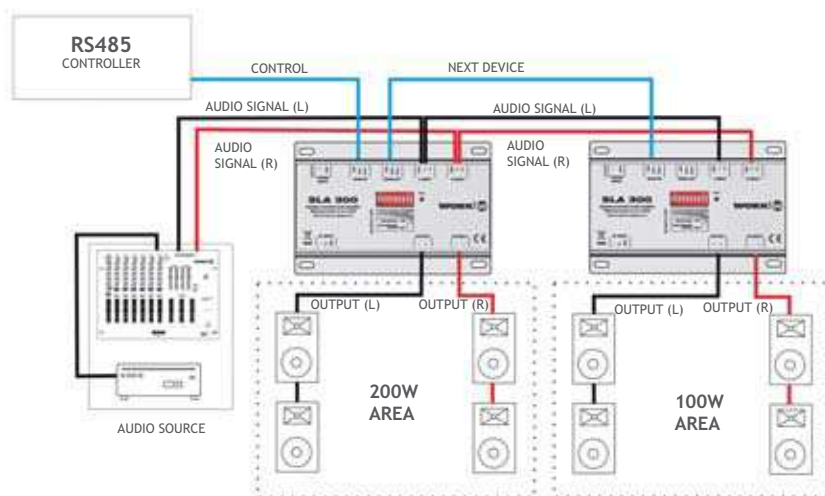
One relevant advantage of the SLA series is that you can directly control volume with a simple 3 pin potentiometer.



Optional accessory DR 1 for suiting Din-rail



Installation example.



Technical data	SLA 50	SLA 300
Number of input channels:	2.	2.
Number of output channels:	2 (L+R).	2 (L+R).
8 Ω stereo output power:	2 x 12.5 W.	2 x 75 W.
4 Ω stereo output power:	2 x 25 W.	2 x 150 W.
DMX value:	0% - 10% (OFF-Standby) / 11% - 100% (Volume).	
Analog input:	DC 0-5 V.	DC 0-5 V.
Frequency response:	20 Hz - 20 kHz.	20 Hz - 20 kHz.
THD + N:	0.08%.	0.08%.
THD (10 W):	0.08%.	0.05%.
Input impedance:	22 k Ω .	22 k Ω .
Input sensitivity:	1.6 V / 6.30 dBu.	1.6 V / 6.30 dBu.
Voltage gain:	20 dB.	23 dB.
Rear connectors:	5 x euroblock (3pin) DMX In/Out, L/R input, VC input; 3 x euroblock (2pin) power input, speaker L/R.	
Front panel controls:	1x DIP Switch Block (10 p) DMX address config.	
Indicators:	1x status (red LED).	
Protections:	Thermal/short-circuit with auto-recovery.	
Cooling:	Fanless.	
Main supply:	DC 24 V.	DC 48 V.
Power consumption:	60 W.	310 W.
Quiescent Power consumption:	0.6 W.	1.5 W.
Dimensions:	90 x 81 x 42 mm.	90 x 136 x 42 mm.
Weight:	500 g.	600 g.

RECOMMENDED POWER SUPPLY:

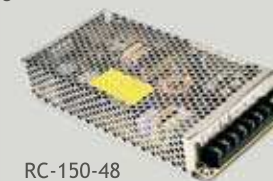
In order to get the best results with the SLA amplifiers, it is highly recommended to use the power supply MeanWell (directly provided by Equipson). The following tables explain which are the power supply more appropriate for any situation.

SLA model	Number of SLA units	Recommended power supply
SLA 50	1	MDR-60-24/RS-50-24
SLA 50	3	(1) S-150-24
SLA 50	4	(1) SP-200-24
SLA 50	9	(1) SP-480-24
(1) SLA 300	1	RC-150-48
(2) SLA 300	1	DRP-480-48

(1). This source is being calculated for 8 Ω (150 W in total).
 (2). This source is being calculated for 4 Ω (300 W in total).



DRP-480-48



RC-150-48



MDR-60-24



MDR-50-24

Technical data		DRP-480-48	RC-150-48	MDR-60-24	RS-50-24
OUTPUT	Output voltage:	48 V.	48 V.	24 V.	24 V.
	Current:	10 A.	3.3 A.	2.5 A.	2.2 A.
	Power:	480 W.	158.4 W.	60 W.	52.8 W.
	Voltage range:	48 - 53 V.	45.6 - 52.8 V.	24 - 30 V.	22-27.2 V.
INPUT	Voltage range:	180-264 V CA 250-370 V DC.	88-132 V CA 176-264 V DC.	180-264 V CA 120-370 V DC.	88-264 V CA 125-373 V DC.
	Frequency range:	47 - 63 Hz.	47 - 63 Hz.	47 - 63 Hz.	47 - 63 Hz.
	Input current:	4 A / 230 V AC.	2 A / 230 V AC.	1 A / 230 V AC.	0.8 A / 230 V AC.
PROTECTIONS	Overload:	105 - 150 %.	110 - 150 %.	105 - 150 %.	110 - 150 %.
	Overvoltage:	54 - 60 V.	55.2 - 64.8 V.	31.2 - 36 V.	27.6 - 32.4 V.
	Over-temperature:	100°C \pm 5°C.	-----	-----	-----
	Dimensions:	227 x 125.2 x 100 mm.	199 x 98 x 38 mm.	40 x 90 x 100 mm.	99 x 97 x 36 mm.
	Weight:	2.4 kg.	0.7 kg.	0.33 kg.	0.41 kg.