



## Amplifiers for Public Address Systems

The AD300 series of audio amplifiers consists of integrated digital systems and electro-acoustic components designed for PA (Public Address) sound diffusion, audio ads, speech and music, in offices, factories, public places and outdoor.

### Tecnology

High efficiency Class "D" technology, low consumption: it is possible to install the standard DIN modules systems within an electrical panel, because of the low heat production.

### Mounting, inputs, outputs

All the amplifiers are housed in DIN rail containers and have two inputs and one output for 4-8-16Ohm speakers or on 100V constant PA line.

### Wide power supply range, protection

The supply voltage can vary from 8Vdc to 18Vdc. The amplifier is self-protected against overloads and short circuits at the power output.

### 30W Power, Audio quality

The maximum output power is 30 Wrms @ 4 ohms with high audio quality and 20Hz ÷ 20 KHz bandwidth.

### Complete products range

For the realization of sound systems are available different models of loudspeakers and various accessories.

### Performances

- ◆ Quick and easy installation and use
- ◆ State of the art innovative technology
- ◆ High efficiency, low heat dissipation
- ◆ Extremely compact dimensions
- ◆ 12V battery power possibility for continuous service
- ◆ Excellent power/performances/costs ratio
- ◆ Can be connected to the PBX for ads via phone and GSM

### Applications, Target

- ◆ Companies, Offices, Factories, Sheds, Industrial
- ◆ Warehouses, Garages, Supermarket, Parking
- ◆ Public places and Outdoor areas
- ◆ Alarm and warning systems
- ◆ Hospitals, Schools, Campus
- ◆ Railway Stations, Airports, Ports

## Amplifiers Technical Features

Power Supply:	8÷18V <sub>DC</sub> max 2,6A @16V <sub>DC</sub>
Max Power Output:	30 W <sub>RMS</sub> su 4Ω, @16 V <sub>DC</sub>
Max Efficiency:	82% ÷ 90%
Minimum Load Impedance:	4 Ω
Frequency response:	30Hz ÷ 20 KHz (tone control)
S/N ratio:	better than 90 dB (20Hz ÷ 20 KHz)
Total harmonic distortion:	0.05% @ 1W / 1KHz
Sensitivity for max power:	550mV <sub>RMS</sub>
Input impedance:	10Kohm
Bass equalization:	+/- 12dB
Treble equalizing:	+/- 12dB
Number of audio input channels:	2
Max cable length for 40ohm load:	30mt
Max cable length for 100V line (with AD320/30):	200mt
Indicator power Led:	color red
Indicator audio presence Led:	color yellow
Short circuit on audio out:	permanent
Operating temperature:	from -25° to +55° C
Storage temperature:	from -25° to +65° C
Mounting:	standard DIN rail
Dimensions:	W52xH90xD60mm 3 DIN units
Weight:	180 gr
Certifications:	CE, ROHS

## Products



**AD301R** 30W Amplifier, 2 channels, Base version, Volume-Treble-Bass controls +/- 12dB



**AD320/30** Toroidal high quality audio power transformer on DIN rail for 100V/30W audio lines to drive Loudspeakers and Horns power regulations



**AD-32** Audio signal isolation transformer, balancer, attenuator and filter for input audio signals, low-impedance output.



**AA-39D1A** Switching DIN Power Supply 230Vca / 15Vcc-1,0A self-protected, adjustable 13-16,8Vdc

**AA-39D2** Switching DIN Power Supply 230Vca / 15Vcc-2,0A self-protected, adjustable 13-17Vdc



**AD330/15T** Horn speaker 15W-80ohm, internal 100V transformer sockets for 15, 7.5, 3.7, 1.9W, for outdoor-indoor installation.



**AD330/40T** Horn speaker 40W-80ohm, internal 100V transformer sockets for 40, 20, 10, 5W, ideal for voice and music, for outdoor-indoor installation.



**AD335/06TP** 6W-80ohm wall loudspeaker, 100V 6/3/1.5W transformer



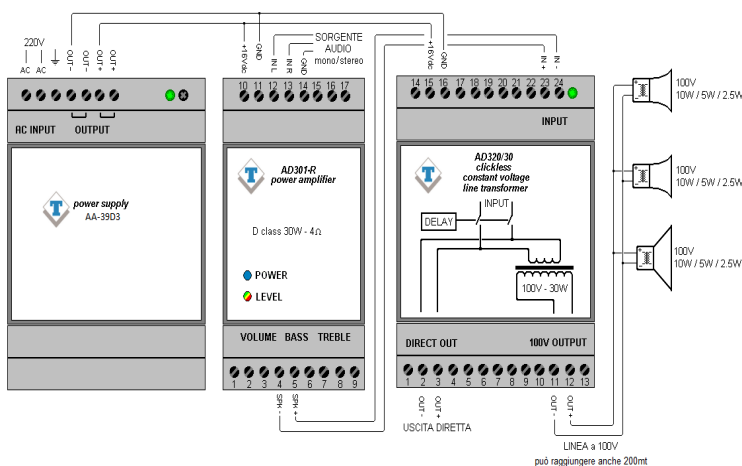
**AD333/12TP** 12W-80ohm ceiling round loudspeaker, 100V 12/6/3.0W transformer



**AD338/M** Microphone base 1 push button

## Typical Application

Public address system with 100V constant audio line and mixed speakers, complete with 220Vac / 12Vdc power supply.



## TELEPHONE INTERFACES



**AA-10/PA – AA-11/PA** Telephone interfaces to amplifiers, allowing to launch an ad from any company phone.



**AA-GSM/PA** GSM interface amplifiers, in conjunction with AA-10/PA allows to launch an announcement from a mobile phone.

**\*\*\* Additional components are available for the realization of PA sound systems, see specific documents.**

**AD301R, AD32, AD320/30, AA-10-11, GSM are products entirely developed and manufactured in Italy**



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