



Public Address System

Eight-Channel Pre-amplifier

ADR25



User's Manual

Thank you for using DSPPA Public Address System. For better use of the product, please read this manual carefully before use.

Guangzhou DSPPA Audio Co., Ltd.

<http://www.DSPPA.com>

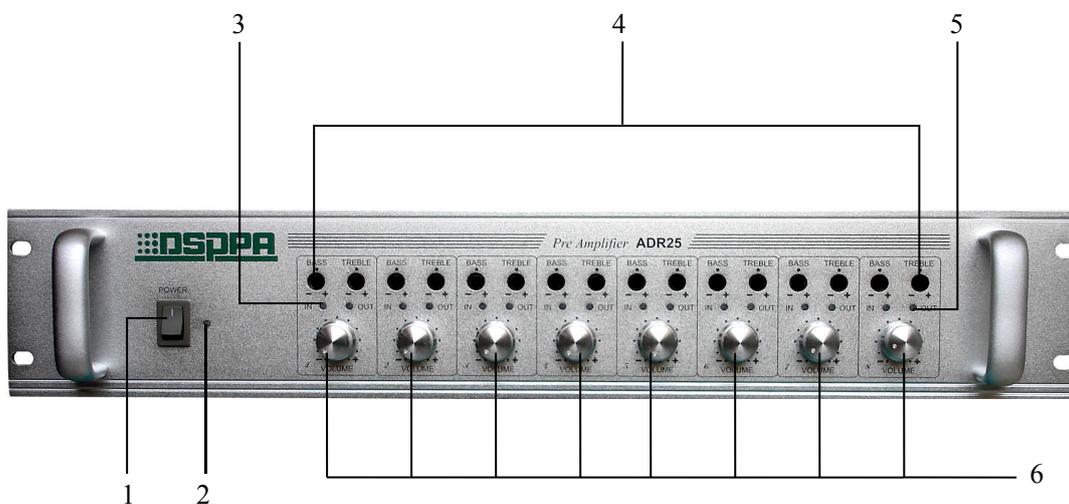
1. About eight-channel pre-amplifier

ADR25 is a pre-amplifier with eight input channels and eight output channels exclusively used by the digital multiple-access public address system.

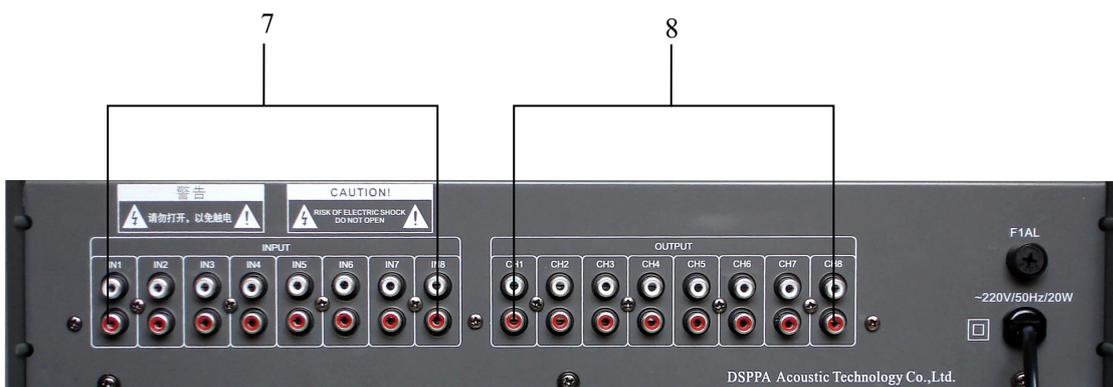
2. Functional characteristics

- The pre-amplifier with eight input channels and eight output channels.
- Eight signal indicators for input and output.
- Independent volume control for eight output channels.
- Independent tone control for eight output channels of high and low pitch.

3. Introduction to appearance and functions

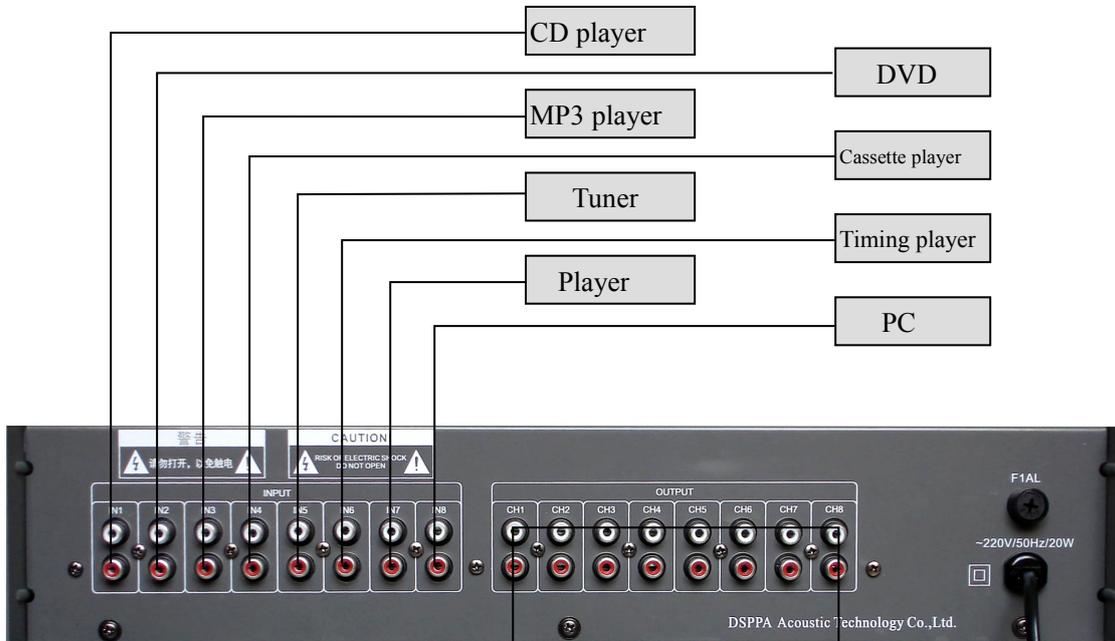


- 1) Power switch: Press down the position 1 on the switch pushbutton to turn on the power, and release the position 1 to turn off the power.
- 2) Power indicator: When turning on the power, such indicator is on; when turning off the power, such indicator is off.
- 3) Input signal indicator: Such indicator will be lighted in case of any signal input in the input channel.
- 4) Tone adjusting knob for high and low pitch: Turn the knob clockwise to promote the high or low pitch, and turn the knob counterclockwise to attenuate the high or low pitch.
- 5) Output signal indicator: Such indicator will be lighted in case of any signal output in the output channel.
- 6) Channel volume adjusting knob: Turn the knob clockwise to increase the volume, and turn the knob counterclockwise to reduce the volume.



- 7) Eight input channels: To input 250mV line audio signal, and connect the sound source device.
- 8) Eight output channels: To output 1000mV line audio signal, and connect the power amplifier device.

4. Schematic diagram for connection



Signal input ports connecting digital multiple access host: 2 ports for 1+1 system; 7 ports for 6+1 system; 17 ports for 16+1 system, connecting 3 ADR25 devices.

All the sockets in this device adopt the lotus type. When connecting, attention shall be paid to that the above diagram is an illustration for connection, and it is possible to connect the sound source devices at the output port at random. The signal input from the input port is corresponding to the signal output from the output port one to one. For example: INPUT CH1 port connects the program signal from CD player, and the OUTPUT CH1 port outputs the program signal from CD player.

5. Precautions

5.1 Safety Precautions

- Disconnect the power plug of the console from the mains before wiring the system.
- Ensure that the input voltage to the console is as specified to avoid a risk of damage to the console.
- Never open the casing of the console to avoid electric shock from inside.
- Always disconnect the power plug from the mains when the console is not used, because the console is not disconnected from the mains even when the power switch is turned to the “off” position.
- Do not leave the console in a too hot or too cold place.
- Keep the console well ventilated to avoid damage to the console due to excessively high temperature.
- Disconnect the power plug if the air is moist or the console is not used for a long period.
- Remove the power plug from the outlet to disconnect the console from the mains before removing or reinstalling any part, or disconnecting or reconnecting any plug or cable.
- Do not open the casing for maintenance by yourself or unauthorized personnel in case of failure, so as to avoid an accident or further damage.
- Never place any corrosive on or near the console.

5.2 After-sales Service Precautions

- DSPPA will provide a three-year charge-free warranty (including replacement of parts) from the date when you purchase provided that the product is installed and operated as specified.
- The user should show the warranty card copy kept by the user and the sales invoice for repair.
- The warranty is invalid in the cases as follows:
 - (1) The product is damaged due to wrong installation, operation or handling.
 - (2) The product is damaged due to abnormal situations (e.g. excessively high mains voltage or ambient humidity).
 - (3) The product is damaged due to disasters and accidents.
 - (4) The ID number on the product body is changed, modified or removed.
 - (5) The product is repaired or modified by unauthorized personnel.
- Please store the manual and warrant card well.
- For problems or precautions not referred in this manual, please contact our distributor or visit our site at <http://www.dsppa.com>.
- Please contact our technician (or distributor) in case of failure within the warranty period. We will take no responsibility in case that the product is disassembled or repair by unauthorized personnel.

6. Performance specification

No.	Item	Indicator requirement	Unit	
1	Input sensitivity of each line	250	mV	
2	Output level of each line	1000	mV	
3	Noise-signal ratio	>80	dB	
4	Frequency response (-3dB)	20-30k	Hz	
5	Regulating range of tune in each channel (relative to frequency of 1kHz)	Low pitch (100Hz)	±10	dB
		High pitch (10kHz)	±10	dB

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