

DP26327

OPERATION INSTRUCTION MANUAL

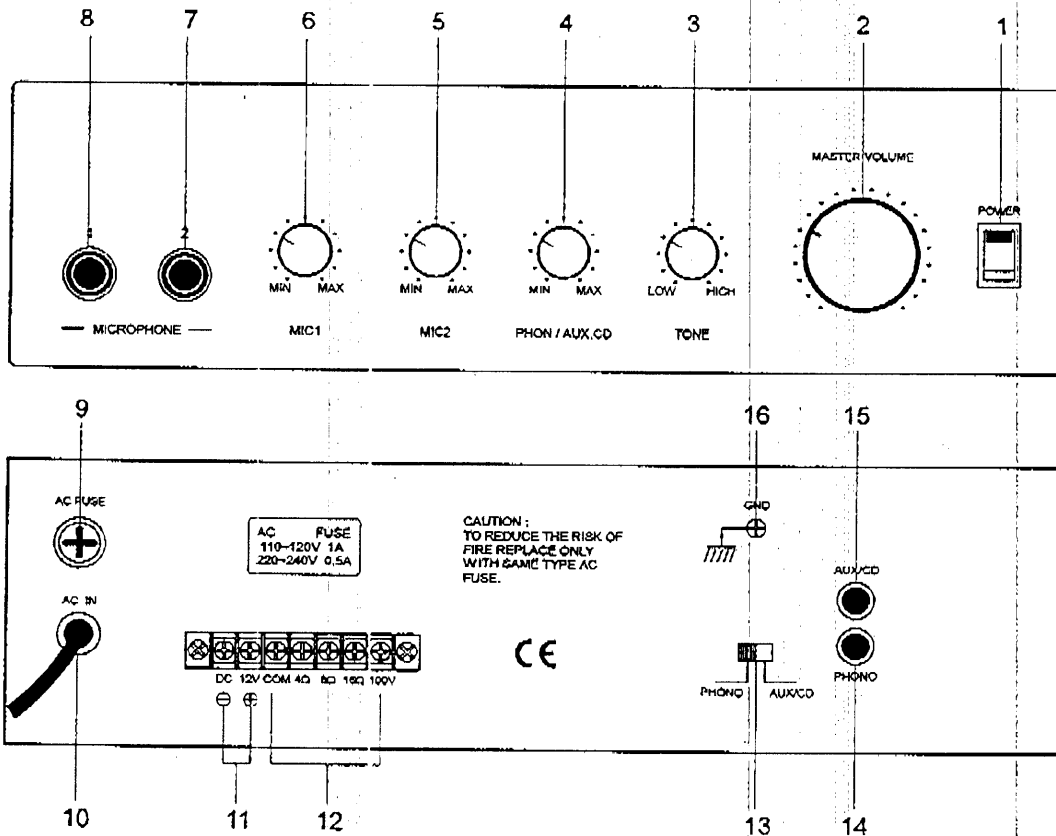
SOLID-STATE PA AMPLIFIER

SPECIFICATIONS

Type: Amplifier.
 Power Output:
 18 Watts: Rated less than 3% THD at 1KHz.
 Frequency Response: $\pm 3\text{dB}$ 100Hz-13KHz.
 Input (Unbalanced)
 MIC-1 (-48dB) 10K ohms/50K ohms.
 MIC-2 (-48dB) 10K ohms/50K ohms.
 PHONO (-48db) 50K ohms
 AUX (-12dB) 10K ohms.
 Output Impedance: 4 , 8 , 16 ohms.
 Power Supply: AC 50/60 Hz DC 12V.
 Dimensions: 320 (W) X190(D) X80(H)mm.
 Weight: 4.2Kgs.

NAME OF FUNCTIONS

1. Power switch.
2. Master volume control.
3. Tone control.
4. PHONO/AUX Volume control.
5. MIC2 Volume control.
6. MIC1 Volume control.
7. MIC2 Input phone jack
8. MIC1 Input phone jack
9. AC FUSE holder.
10. AC CABLE.
11. DC terminals.
12. Output terminals.
13. PHONO,AUX/CD Selector switch.
14. PHONO jack (RCA)
15. AUX/CD jack (RCA)
16. Ground \perp .

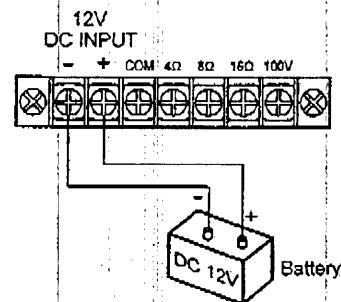


DC Power Connection

The unit will also operate from an external 12V battery or other direct current source with negative (-) as ground. Power connections are made at the DC terminal strip on the rear panel.

If AC power supply fails, transfer to DC power is instantaneous, automatic and silent.

The battery power supply is not operated by the primary power switch. If switch to battery power is desired, an external relay or switch should be provided by the qualified service personnel.



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1. Avoid using or storing it in a place where it is very dusty.
 2. Also refrain from using it in direct sun or near a heater or stove or in a similar place of high temperature.
 3. Keep your recorded cassettes away from magnets, motors, or TV set generating magnetism.
- Also avoid storing them in a place of high temperatures. Magnetism and high temperature can cause added tape noise or erase the recorded materials.

Input Connection

Microphones

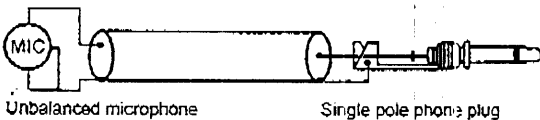
Three microphone inputs are provided. They used with unbalanced low impedance (30-600 ohms) microphone. The microphone with the unbalanced connection cable of 10-20m may be used depending on the microphone and its characteristic.

MIC-1, MIC-2, MIC-3 and MIC-4

There FOUR microphone inputs are unbalanced type and are provided with a double pole phone jack.

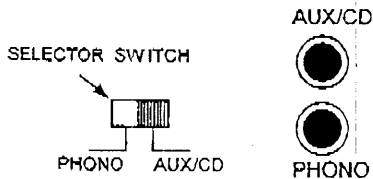
Unbalanced Lo Z Microphone

May also be connected to the single conductor shielded cable of unbalanced Lo Z microphone.



AUX/PHONE

A radio tuner, tape player, chime, mixer preamplifier, compact disk player or other high level input sources may be connected to the AUX inputs.



Should be selected either AUX or PHONO by using. The AUX/PHONE Selector switch on the rear panel. AUX & Phono cannot be used at the same time.

Output Connection

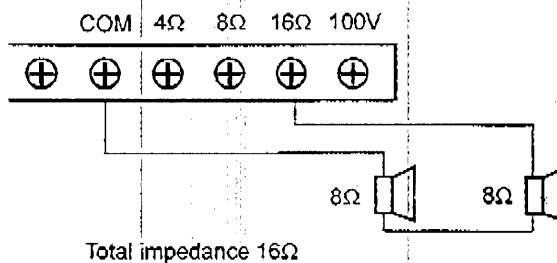
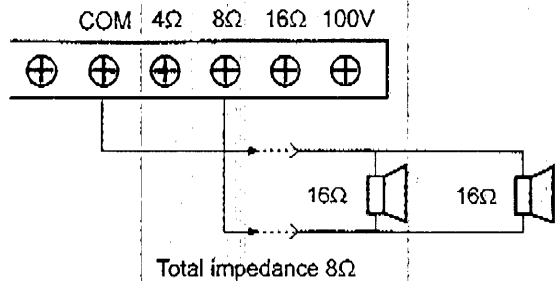
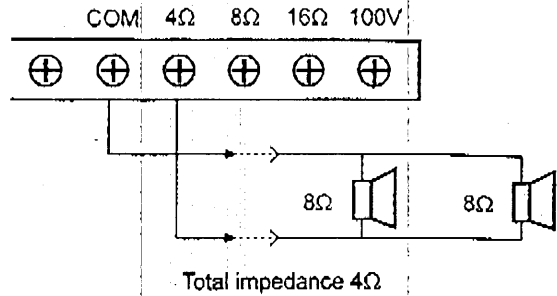
Speaker Output

The amplifier may be used in conjunction with a speaker rated at 4, 8, 16 ohms or with 100-Volt constant-voltage speaker systems.

Low impedance speaker output: 4, 8, 16 ohm (balanced)

The low impedance 4, 8, 16 ohm terminal is provided for connection of a few large-output speakers when constant voltage speaker system is unnecessary or in case the distance between the amplifier and the speakers is short enough (less than 50m). It is requested that the total speaker load impedance be correctly matched to the output impedance (4, 8, 16 ohm) of the amplifier for most efficient transfer of power.

Be sure that total impedance of speakers Amplifier must be in equal, do not raise amplifier output power to above the permissible input power of speaker if the latter is smaller than the former. If the amplifier output power should be raised above it, by mistake, the speakers would be damaged.

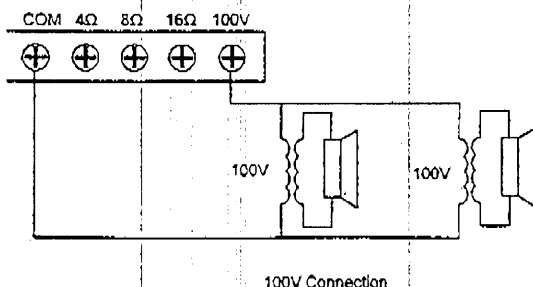


100 Volts speaker output (balanced)

When it is desired to operate the speakers from the distance, over 50 meters of the amplifier, it is recommended that line matching transformers be installed on the speaker units to prevent excessive line losses. This method of load matching known as the constant voltage distribution system eliminates the calculation of load impedance and series-parallel speaker arrangements. In this method, all speakers are connected in parallel.

These constant voltage outputs are most convenient for distribution of power when a number of speakers are installed. Each speaker must have 100-volt line transformer with a tap that gives the power desired for that speaker. The total number of power settings for all speakers should be equal to the amplifier power rating or less.

A speaker plug is supplied with this unit for a quick connection/disconnection to/from speaker screw terminal strip 100 volts.



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