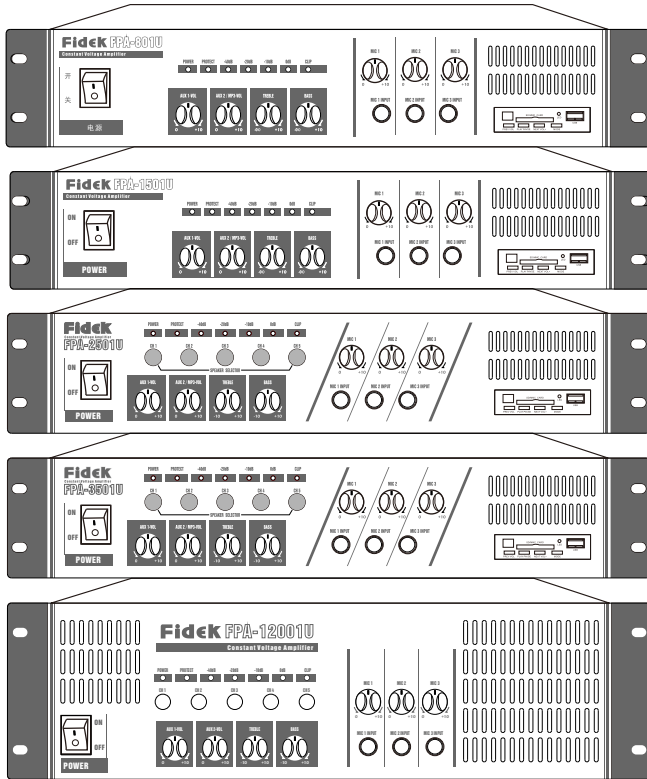


Fidek®

PUBLIC ADDRESS CONSTANT VOLTAGE AMPLIFIER

FPA-801U
FPA-1501U
FPA-2501U
FPA-3501U
FPA-12001U



USER'S MANUAL

CONTENTS

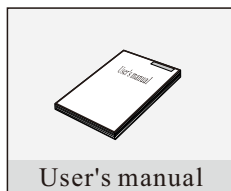
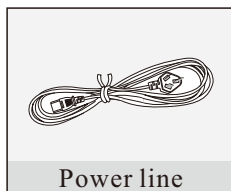
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FEATURES

- ◆ Both AUX 1 and AUX2 are using RCA plug, they can respectively connect with CD, TUNER, TAPE and so on, they also can control the volume separately.
- ◆ Three microphone inputs, Microphone1 with priority function, other broadcasts can be interrupted by Microphone1 in an emergency. All microphones with independent volume control and has high and low bass adjustment control.
- ◆ Level display amplifier with 2pcs red LED indicator, if the POWER light on means the power has been turned on. PROTECT light on means in standby or protective mode. The 4pcs green LED indicator light on means the signal. 1pc of orange LED light on means signal overload, should turn down the volume appropriately.
- ◆ With 40Hz high pass filtering function, if the bass signal under 400Hz will be attenuated moderately.
- ◆ 70V and 100V constant voltage output with one monitor output.
- ◆ The fan have two speed ranges: fast and slow, automatic detection radiator according the temperature to contral the speed of the fan. when the temperature is high the fan will speed up automatic to lower the surface temperature.

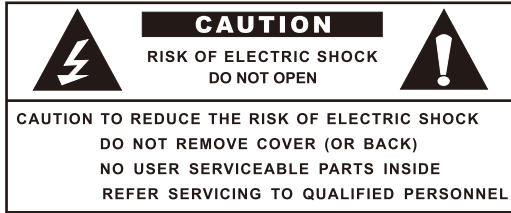
PACKAGE CONTENTS


Please open the box to check whether the following accessories are included. If there is any omission, please contact the dealer or manufacture.




Due to the different production batches, the appearance of the attachment may be slightly different from the figure above.

SAFETY INSTRUCTIONS



 The lightning flash with arrowhead symbol inside an equilateral triangle is intended to alert the user to the presence of uninsulated "hazardous voltage" within the product's enclosure, which may be of sufficient magnitude to induce a risk of electric shock to persons.

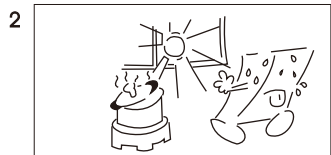
 The exclamation mark inside an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the product.

WARNING: TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.



1. Caution: To reduce the risk of electric shock, do not remove cover (or back). No user-serviceable parts inside. Refer servicing to qualified personnel.

2. Do not install the equipment in a place exposed to direct sunlight.



SAFETY INSTRUCTIONS

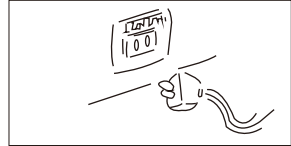
3



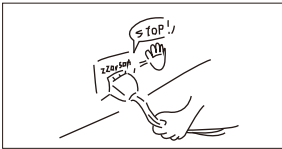
3、 Do not install the equipment in a dusty, damp or poorly ventilated place.

4、 To prevent damage to the equipment, please unplug from the power outlet if not in use.

4



5



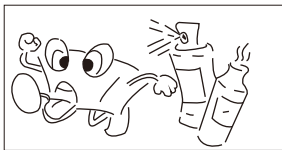
5、 To unplug the equipment, always handle the power cord using the plug. Do not pull out the plug by tugging the cord.

6、 Place the equipment on a stable surface and avoid placing other objects on top.

6



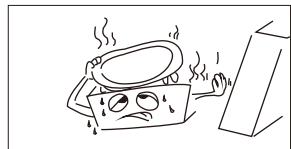
7



7、 Cleaning care: Use a soft, dry cloth for cleaning. For stubborn dirt, soak the cloth in a weak detergent solution; wring well and wipe to remove the dirt. Do not use volatile agents such as benzene or paint thinner, as they may damage the surface finish of the equipment.

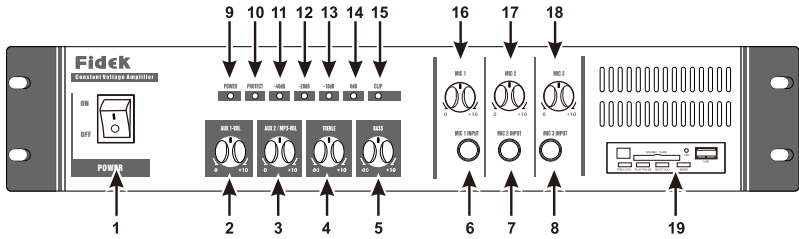
8、 Please do not block the cooling vents to avoid overheating.

8

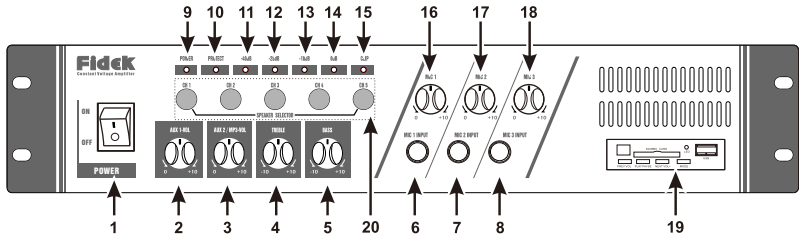


FUNCTION DESCRIPTION

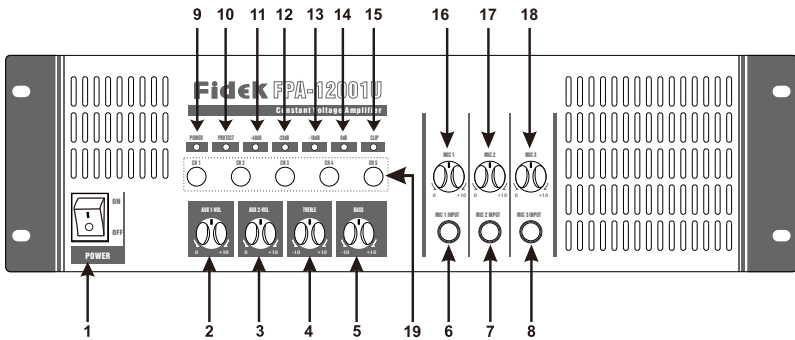
FPA-801U/1501U FRONT PANEL



FPA-2501U/3501U FRONT PANEL



FPA-12001U FRONT PANEL



FUNCTION DESCRIPTION

1. Power Switch Button

Control AC power supplier, the power indicator lights up when “on”, indicating that the power supply is connected ; the power indicator is switched off when “off”, indicating that the power supply is disconnected.

2. Auxiliary 1 Voice Control Knob

Control the volume of AUX1 input channel and increase the volume of sound as rotates clockwise. When turned counterclockwise , attenuates the volume.

3. Auxiliary 2 Voice Control Knob

Control the volume of AUX2 and MP3, and raise the volume as it rotates clockwise. When turned counterclockwise, attenuates the volume.

4. Tweeter Tone Adjustment Knob

Adjustable microphone and AUX1、AUX2、MP3 the treble part, When the needle rotates, the treble is raised, and when the needle rotates counterclockwise, the treble is attenuated.

5. Bass Tone Control Knob

Adjustable microphone and AUX1、AUX2、MP3 the bass part, when clockwise rotating , lift the bass, and when rotating counterclockwise, attenuate the bass.

6. Microphone 1 Input Hole

Microphone 1 has the priority kinetic energy, when playing the music with the microphone 1 call, the music will automatically attenuate the small, to achieve microphone broadcast priority.

7. Microphone2 Input Hole

8. Microphone3 Input Hole

9. Power-driven Display Lamp

The power supply is on and off. When the light is on, the power is turned on.

10. Protect Power Standby Lights

On boot, the light indicates that the machine is in standby mode, about 3 seconds after lights out. Extinguish: if it is lit for a long time, it means that the machine is out of order and should be turned off at once Power, find qualified maintenance personnel to find out the cause.

11/12/13/14. Level Indicator

Display the music level, the light indicates the strength of the music signal.

FUNCTION DESCRIPTION

15. Overload Lamps

The light indicates that the input signal of the machine is too large. The signal should be tuned properly to avoid distortion of the sound.

16. Microphone 1 Volume Control Knob

When rotated clockwise, increase its volume; when rotated counterclockwise, decrease its volume.

17. Microphone 2 Volume Control Knob

When rotating clockwise, increase its volume; when counter-rotation, decrease its volume.

18. Microphone 3 Volume Control Knob

When turning clockwise, increase its volume; when turning counterclockwise, decrease the volume.

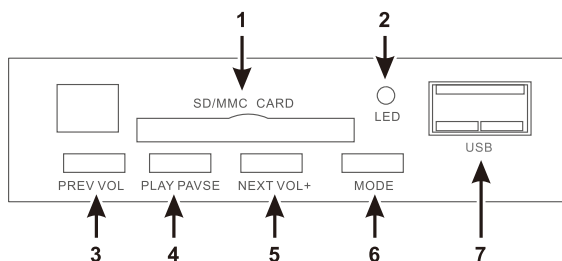
19. MP3 Broadcast Storm(More Details in Player Description)

20. Broadcast Partition Selection

CH1, CH2, CH3, CH4, CH5 channel constant voltage 100V can be selected to meet the requirements of different partition broadcasting.

Note: The panel structure and function of FPA-801U/1501U two-sensitivity product amplifier are the same. The panel structure and function of FPA-2501U/3501U teaching product amplifier are the same, like FPA-801U/1501U/2501U/3501U, the FPA-12001U has a different structure and model for the amplifier panel.

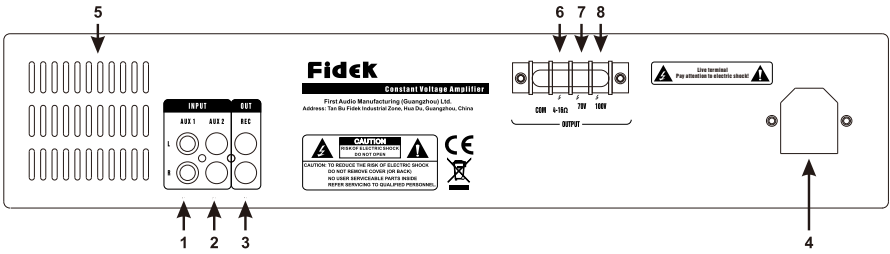
Amplifier Description



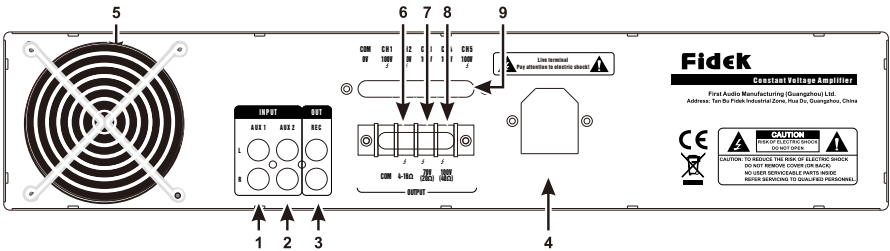
1. SD/MMC card jack
2. Power Indicator
3. Previous Song and Volume Reduction Button
4. Play /pause button
5. Next Song with Volume Plus Button
6. Mode selection (no function)
7. USB device input jack

FUNCTION DESCRIPTION

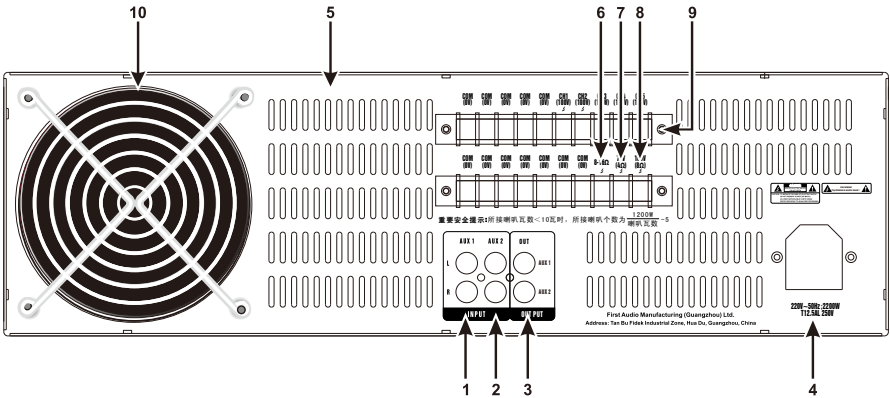
FPA-801U/1501U REAR PANEL



FPA-2501U/3501U REAR PANEL



FPA-12001U REAR PANEL



FUNCTION DESCRIPTION

1. AUX1 socket, Input sensitivity 400mv

2. AUX2 socket, Input sensitivity 600mv

3. Audio output

4. AC power socket

5. Hot air outlet of the fan

The speed of the fan is controlled by the temperature, when the temperature exceeds 50 degrees it will speed up.

6. Power amplifier output binding post

Can be directly connected to the 4-16 Ω ordinary speaker.

7. 70V output binding post

Connected with special 70V speaker

8. 100V output

When the panel selects a different channel, the corresponding 100V channel will have output.

9. 100V partition output

When the panel selects a different channel, the corresponding 100V channel will have output.

10. Fan

Note: The rear plate structure and function of FPA-801U/1501U are the same, but the output attack rate is different. The plate structure and function of FPA-2501U/3501U are the same, but the output attack rate is different. The function of FPA-12001U is the same with FPA-801U/1501U/2501U/3501U, but the rear plate structure and output attack rate is different.

TROUBLESHOOTING

Troubles	Troubleshooting
No power	<ul style="list-style-type: none"> ▶ The switch is not turned on, please turn on it. ▶ The AC plug is not connected well, please connect it well. ▶ The connection between plug and socket is not well, please check by plugging in another socket. ▶ The switch of the socket is not turned on, please turn on it. ▶ The fuse is broken, please change another fuse.
Have power but no sound	<ul style="list-style-type: none"> ▶ Check if there is a signal source, and confirm the source is in work mode, plug is connected well. ▶ Check if the connection of input cable is right and firm. ▶ Check if the cables of the speaker are loose. ▶ Check if the volume knob is turned on. ▶ Check if the function of the speaker is normal or not. ▶ If it is in bridge mode, please check if the mode selection switch is set to the right position. ▶ If the voltage is too low, please connect the power cable to the rated output power socket.
Noise	<ul style="list-style-type: none"> ▶ Check if the connection of cables is loose or not. ▶ Keep the signal cable away from AC power cord, transformer, motor and other devices which have electromagnetic disturbance. ▶ If the noise disappears when connect to another signal source, the noise is coming from the source.
Distortion	<ul style="list-style-type: none"> ▶ Check if the connection of cables is loose or not. Check if there is little short circuit of output cables. ▶ Check if the load impedance is in accordance with the requirement of the users' manual. ▶ Check if the sensitivity of the source is in accordance with the amplifier. ▶ Turn down the volume moderately.
Only one channel has sound	<ul style="list-style-type: none"> ▶ In stereo mode, check if there is input from source and if the connection of no sound channel is well. ▶ In parallel mode, check if the connection of no sound channel is well. ▶ If the volume is turned on.
No bass when increase the volume	<ul style="list-style-type: none"> ▶ Check if the work mode selection switch is set to the right position. ▶ Check if reverse the PIN of speaker when connect.

OPERATION

1. Check that all connections are correct and the backplate voltage is the same as the mains voltage.
 2. Check that the audio output voltage is equal to the speaker input voltage.
 3. Check whether the total impedance of the system is greater than or equal to the nominal impedance of the amplifier.
 4. Make sure all connections are correct and that the voltage on the back plate is the same as the mains voltage. Plug in the power plug.
 5. Turn on the signal source, and adjust the sensitivity selection switch to make the sensitivity is accordance with the signal source.
 6. Put the gain control to the minimum, turn on the amplifier. The power light turns on, the protect LED dies after 3 seconds, then turn the gain control to the appropriate position, the signal light turns on. The amplifier comes into work mode.
 7. Adjust the gain control to suitable position, which make clip indicator LED twinkle but not light for long time.
 8. Please turn off amplifier first and then shut off the signal source.
-

Overload and short circuit protection:

FPA series has short circuit protection of automatic recovery; the amplifier starts to work again automatically after solving the trouble. The fan of this series speed varies automatically to maintain safe internal temperature.

Overheat protection:

If the inner temperature surpasses 100°C, the overheat protection circuit works, disconnecting the load from that channel. When the temperature cools under 100°C, the unit starts to work again.

SPECIFICATIONS

Item \ Model	FPA-801U	FPA-1501U	FPA-2501U	FPA-3501U	FPA-12001U
Rated Power Output(8 Ω)	4-16 Ω 80W 70 Ω/70V 143 Ω/100V	4-16 Ω 150W 38 Ω/70V 77 Ω/100V	4-16 Ω 250W 20 Ω/70V 40 Ω/100V	4-16 Ω 350W 14 Ω/70V 29 Ω/100V	4-16 Ω 4 Ω/70V 1150W 8 Ω/100V
S/N	>80dB				
Voltage	220V				
THD	<0.3%(1kHz,10V)				
Frequency response	80Hz~20k Hz ±3dB				

Fidek[®]