

**NVS-PA0029006CP/NVS-PA0030006CP**  
**6 Zone Integrated PA Host with Amplifier**  
**User Manual**

Thank you for using our public address system. Please read this User Manual carefully to make better use of this equipment



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# Profile of Product

## Description

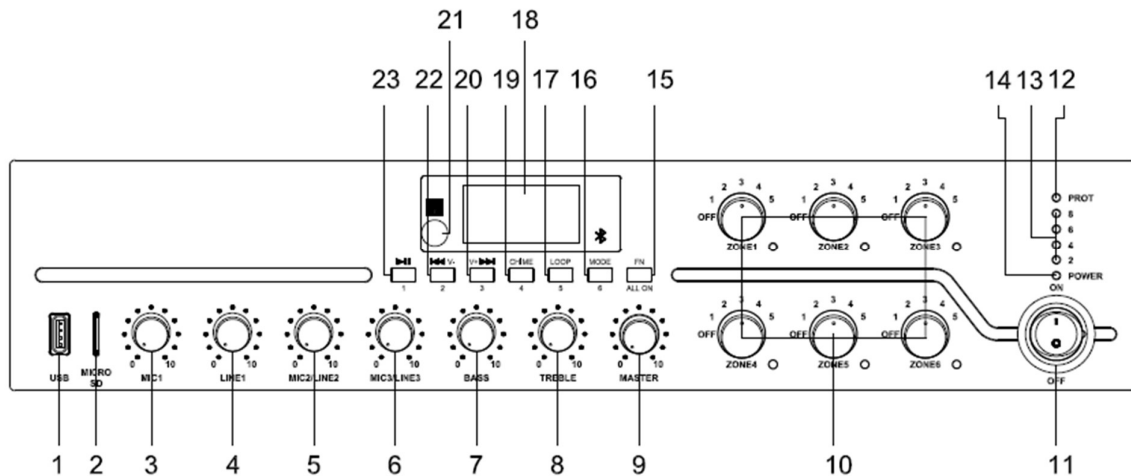
The NVS-PA0029006CP is a Digital Mixer Amplifier can be used in conjunction with the NVS-PA0032006PM Remote Paging Station. It supports 2-channel RJ-45 remote paging microphone. The amplifier has a screen for intuitive display, with input sources such as 4 MIC, 4 AUX, USB, FM, Bluetooth, and TF. It also provides protection function when overload, clipping, short circuit, and abnormal working temperature occur.

## Features

- LCD lattice screen with backlight to display more information, more user-friendly
- Five-segment level indicator
- Built-in Bluetooth, FM, MP3 playback
- Two-channel RJ-45 remote paging microphone interfaces with zone control and strong cut function, DC+24V power supply, 6 paging stations cascaded per channel, as far as 300m-600m transmission distance
- With independent volume adjustment knob of six zones
- With strong cut and one-touch to switch functions when broadcast certain zones
- AC and DC24V power supply can be turned off
- 4 microphone inputs, 1 emergency signal input, 4-line inputs and 1-line output.
- 70V/100V fixed voltage output and 4-16Ω fixed-resistance output
- With priority function, the order is MUTE>EMC IN>SIREN>MIC1>CHIME>RemotePaging>LINE1=MIC2/LINE2=MIC3/LINE3=MIC4 /LINE4=MP3=BT=FM (no chime output when there is an alarm sound)
- With total volume control; Zone, Siren, Chime, EMC IN, MIC, and AUX volume control; treble and bass tone control.
- SIREN short-circuit trigger function, the device can be remotely controlled or controlled by other equipment, with independent alarm sound output.
- MUTE short-circuit triggered mute function, which can be controlled remotely or by other devices.
- 1-channel EMC alarm signal input to input alarm signals from other devices.
- Can be controlled by an infrared remote control.
- With power-off memory function, it will display the last content when powers on.

# Appearance

## Front Panel



### 1. USB

Insert a USB flash drive here to provide programs to the built-in MP3, whose memory is 32GB

### 2. SD Card

### 3. MIC1 Volume Adjustment Knob

Adjust the volume of the MIC1, clockwise to volume up and counter clockwise to volume down

### 4. LINE1 Volume Adjustment Knob

Adjust the volume of the LINE1, clockwise to volume up and counter clockwise to volume down

### 5. MIC2/LINE2 Volume Adjustment Knob

Adjust the volume of the MIC2/LINE2, clockwise to volume up and counter clockwise to volume down

### 6. MIC3/LINE3 Volume Adjustment Knob

Adjust the volume of the MIC3/LINE3, clockwise to volume up and counter clockwise to volume down

### 7. Bass Volume Adjustment Knob

With the center position as the reference, clockwise to volume up and counter clockwise to volume down

## **8. Treble Volume Adjustment Knob**

With the center position as the reference, clockwise to volume up and counter clockwise to volume down

## **9. Main Volume Adjustment Knob**

Adjust the volume of all signals (except the emergency input signal on the rear panel), clockwise to volume up and counter clockwise to volume down;

## **10. 6-Zone Volume Adjustment Knob & Indicator**

- Adjust the volume of 6 zones, clockwise to volume up and counter clockwise to volume down
- When the zone is open, the corresponding indicator is blue;

## **11. Power Switch**

Press down button "ON" to turn on the power, and "OFF" to turn it off;

## **12. Protection Indicator** (DC temperature, overcurrent, or short circuit protection)

## **13. Level Indicator**

Level display of audio output

## **14. Power Supply LED**

## **15. FN Zone Switch**

Short press to control zone 1-6 to be on or off, press it to turn on the zones, then use the button "1", "2", "3", "4", "5", "6" on the panel to turn on or off the corresponding zone. If you press the FN button for more than 1s, all the zones will be opened, and if you press the FN button for more than 1s again, the zones will be restored to the state before they were all opened.

## **16. Mode**

The modes that can be switched are USB mode, AUX line mode, Bluetooth play mode and FM radio mode

## **17. LOOP Volume Adjustment Button**

Adjustable volume of MIC4/LINE4, EMC, Chime, and SIREN, volume 0-32 (for detailed operation, please refer to No.8 of the "Operating Instructions" item below)

## **18. Display screen**

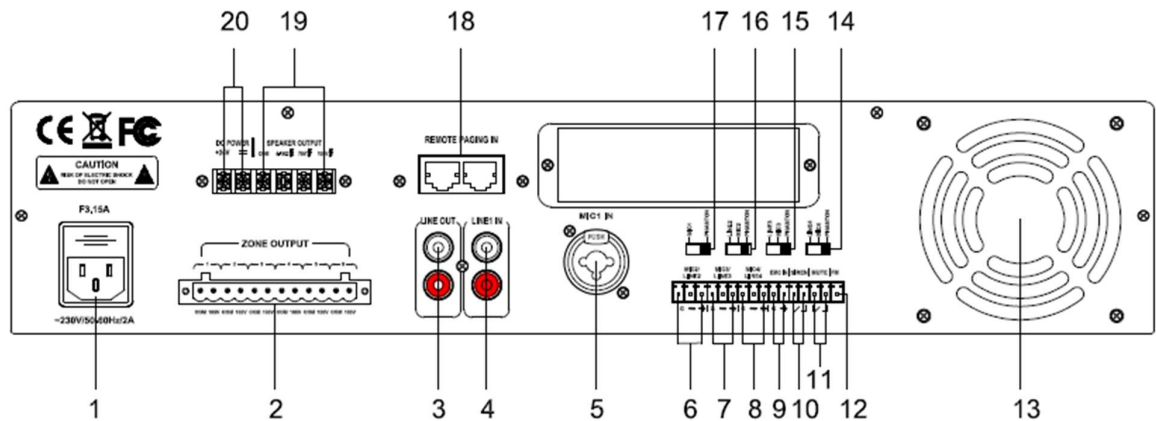
## **19. Chime button**

## **20. Next song / (FM mode for next program)**

- In USB and Bluetooth modes, press this button to the "next song"
- In FM mode, press this button to the "next program"

- In FM, AUX, USB, SD, and Bluetooth modes, long press this button to turn down the volume of MP3 sources (including FM, SD, USB, and Bluetooth)
- 21. Infrared Remote Control Receiving**
- 22. Previous Song / (FM mode for previous program)**
  - In USB and Bluetooth modes, press this button to the "Previous song"
  - In FM mode, press this button to the "Previous program"
  - In FM, AUX, USB, SD, and Bluetooth modes, long press this button to turn up the volume of MP3 sources (including FM, SD, USB, and Bluetooth)
- 23. Play/Pause**
  - In USB and Bluetooth modes, press this button to Pause
  - In FM mode, press this button to the search

## Rear Panel



### 1. Power Input Connector AC230V

Access the power plug to this connector. When connecting, please insert the plug of this device first, and then connect to the grid.

### 2. 6-zone Output

### 3. LINE Output

### 4. LINE1 Input

### 5. MIC1 Balanced Input

### 6. MIC2, LINE2 Input

### 7. MIC3, LINE3 Input

### 8. MIC4, LINE4 Input

### 9. EMC Trigger Input

### 10. SIREN Short-circuit Trigger

### 11. Silent Short-circuit Trigger

### 12. FM Antenna

### 13. Fan Port

### 14. LINE4, MIC4 Phantom Voltage Switch

Toggling the switch to left and right (Note: When toggle this switch, you need to turn down the volume of the device or turn off the power of the device first)

### 15. LINE3/ MIC3 Phantom Voltage Switch

Toggling the switch to left and right (Note: When toggle this switch, you need to turn down the volume of the device or turn off the power of the device first)



**16. LINE2/ MIC2 Phantom Voltage Switch**

Toggling the switch to left and right (Note: When toggle this switch, you need to turn down the volume of the device or turn off the power of the device first)

**17. MIC1 Phantom Voltage Switch**

Toggling the switch to left and right (Note: When toggle this switch, you need to turn down the volume of the device or turn off the power of the device first)

**18. NVS-PA0032006PM Remote Paging MIC Input**

**19. Fixed resistance and voltage output**

Fixed resistance/voltage Speakers

**20. DC+24V Power Input (emergency power input)**

# Operating Instructions

## 1. Initial Start-up

When starting up the stereo amplifier for the first time, do as follows:

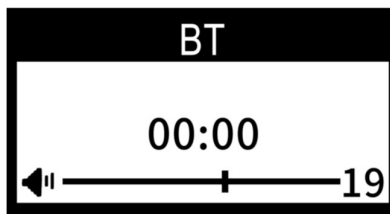
- Turn down the total volume.
- Turn down the zone volume.
- Connect the stereo amplifier to the power supply; Turn on the amplifier till the power indicator is on.
- Turn the total volume to the optimal level.
- Adjust the zone volume until it reaches the desired volume output. If you need to change the wiring or installation, make sure to disconnect the power cord from the device first.

## 2. Mic Broadcast

Conduct MIC broadcast in any mode, the system detects the microphone's voice and mute other audio sources; When the microphone has no signal, it automatically backs to the original playback state.

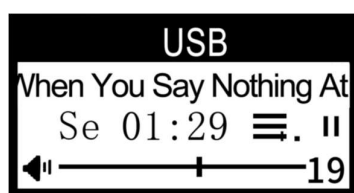
## 3. Bluetooth Mode

Press the MODE button until the digital screen displays Bluetooth and Bluetooth name, as shown below, then please open the cell phone or other Bluetooth devices, find the device with Bluetooth name of "6 ZONES AMP BT" for pairing. After that, music can be streamed from phone (when the device and cell phone Bluetooth pairing successful, the digital display will stop flashing), wireless transmission distance is about 10m.

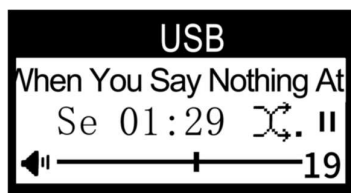


## 4. USB Mode

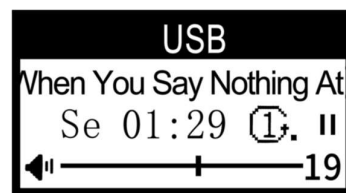
When insert a USB, it will automatically come to USB mode (plug and play). As shown below, the interface displays the current playing song name, playing duration, playing mode, playing status and volume level. In USB mode, short press LOOP button to switch the playback mode to random play, single loop, directory loop.



Random Play



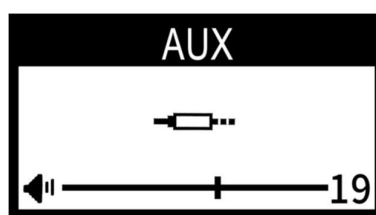
Directory Loop



Single Loop

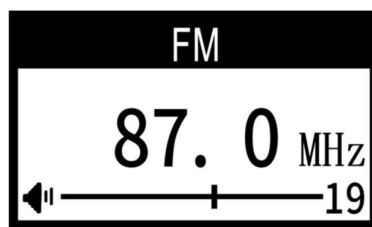
## 5. Line Mode

Press the MODE button until the digital screen displays AUX to enter Line Mode, as shown below.



## 6. FM Mode

For button description, please refer to the instructions in "Front Panel" above, sections 20, 22 and 23. Press MODE button until the digital screen displays FM to enter FM mode, as shown below; Then it will start to play radio programs.



- Searching radio stations: Before playing, search radio stations first, the FM band radio frequency range is 87.00MHz - 108.00MHz.  
Methods of searching for Radio Stations: Short press button ► on the panel or remote control to search automatically from low to high frequency bands. The searched stations will be stored in number starting with 1, so that the stations can be recalled directly later.
- Calling radio stations: search and store good radio channels with automatic search method, and you can call and play them directly. Press button "► / ◀" on the panel to choose radio stations you want to play or press number "0-9" to play.

## 7. 6-zone Control Switch

Short Press the button FN to enter the zone setting interface, and the "1", "2", "3", "4", "5" and "6" buttons on the panel can be used to turn on or off the corresponding zones as shown in the figure below. Press and hold the FN button for more than 1s to open all zones. At the same time, the indicator lights at the 6-zone volume adjustment knobs on the device panel display bright blue, and then press again to back to the state it was in before.

ZONE SET		
Z1	Z2	Z3
Z4	Z5	Z6

## 8. Adjust Volume of Audio Source

- Volume of 6 zones/MIC1/MIC2/MIC3/LINE1/LINE2/LINE3 can be adjusted directly through the corresponding volume knob on the panel.
- Volume of MIC4/LINE4, EMC, Chime, SIREN: long press the LOOP volume adjustment button to enter the volume setting interface, then short press the LOOP button again and select MIC4/LINE4, EMC, Chime, SIREN alarm setting interfaces, press button "V+ / V-" to adjust the volume of the corresponding audio source through the panel (0-32).

VOL SET
MIC4/LINE4
32

VOL SET
EMC
32

VOL SET
CHIME
32

VOL SET
SIREN
32

- MP3 audio source (FM/AUX/USB/SD/Bluetooth) volume: in the FM/AUX/USB/SD/Bluetooth mode, long press "◀◀" or "▶▶" previous or next song button to enter the MP3 volume settings interface, continue to long press "◀◀" or "▶▶" the previous or next song button to adjust the MP3 audio source volume level (0-32).

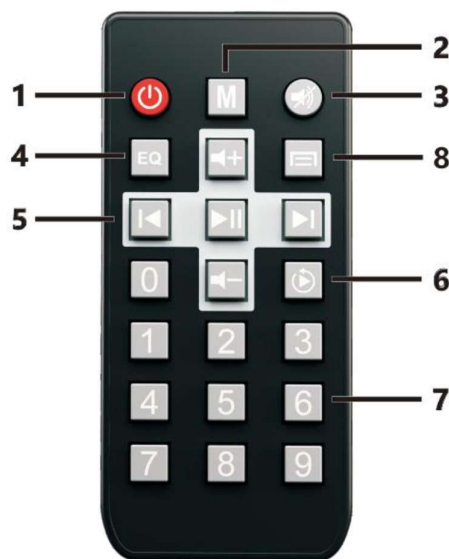


## 9. Phantom Power

Switch on the phantom power switch to provide phantom power (+ 48V) to all green terminal microphone inputs. It is not recommended to switch on for normal use but only used for MIC1, MIC2/LINE2, MIC3/LINE2, MIC4/LINE2.

## Remote Controller

As shown in the following figure, remote controller keys are introduced in detail.



1. Standby Switch
2. Mode Selection: Click it to display modes in turn: FM, USB, AUX and BT.
3. MUTE button.
4. EQ Mode, with 4 optional sound effects.
5. Play Control Area. Play/Pause, Previous/Next, and Volume Control.
6. Loop Mode. Click it to display modes in turn: Single Loop, Random Play, and Directory Loop.
7. Number Area. In FM mode, press the number directly to enter the FM frequency that has been stored.
8. Alternative Button

## Specifications

Sl No	Characteristics	NVS-PA0029006CP	NVS-PA0030006CP
1	Power Supply	AC230V 50/ 60Hz	
2	Input Sensitivity	MIC1 10mV $\pm$ 1mv (Balanced XLR Input)	MIC1 10mV $\pm$ 1mv (Balanced XLR Input)
3		MIC2/MIC3/MIC4 10mV $\pm$ 1mv (Unbalanced Phoenix Jacks)	MIC2/MIC3/MIC4 10mV $\pm$ 1mv (Unbalanced Phoenix Jacks)
4		AUX1 350mV $\pm$ 50mv (Unbalanced RCA Input)	AUX1 350mV $\pm$ 50mv (Unbalanced RCA Input)
5		AUX2 350mV $\pm$ 50mv (Unbalanced Phoenix Jacks)	AUX2 350mV $\pm$ 50mv (Unbalanced Phoenix Jacks)
6		EMC 350mV $\pm$ 50mv (Unbalanced Phoenix Jacks)	EMC 350mV $\pm$ 50mv (Unbalanced Phoenix Jacks)
7	MIC Frequency Response	120Hz~12kHz ( $\pm$ 3dB)	
8	AUX Frequency Response	80Hz~15kHz ( $\pm$ 3dB)	
9	Total Harmonic Distortion	<1%	
10	Treble Adjustment Range	10dB ( $\pm$ 2)	
11	BASS Adjustment Range	10dB ( $\pm$ 2)	
12	Phantom Power	+48V	
13	Rated Output Power	350W	500W
14	Output Voltage of Port	4-16 $\Omega$ ,70V,100V (fixed voltage output)	
15	Current	3A	
16	Protection	F6.3AL	
17	Weight	9Kg	10.1Kg
18	Dimension(D×W×H)	430×390×88mm	



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