

**NVS-PA0028006CP/NVS-PA0029006CP/
NVS-PA0030006CP/NVS-PA0031006CP
6 ZONE INTEGRATED PA HOST WITH AMPLIFIER
USER MANUAL**



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Product Overview

Description

The NVS-PA0028006CP/NVS-PA0029006CP/ NVS-PA0030006CP/ NVS-PA0031006CP is a professional-grade digital mixer amplifier featuring 4 MIC and 4 AUX inputs, along with USB, FM, Bluetooth, and TF card playback capabilities. It supports 2-channel RJ-45 remote paging via the NVS-PA0032006PM paging station and includes an integrated display for real-time system monitoring. Built-in protection circuitry guards against overload, clipping, short circuits, and over-temperature conditions, ensuring stable and reliable performance in commercial audio and public address applications.

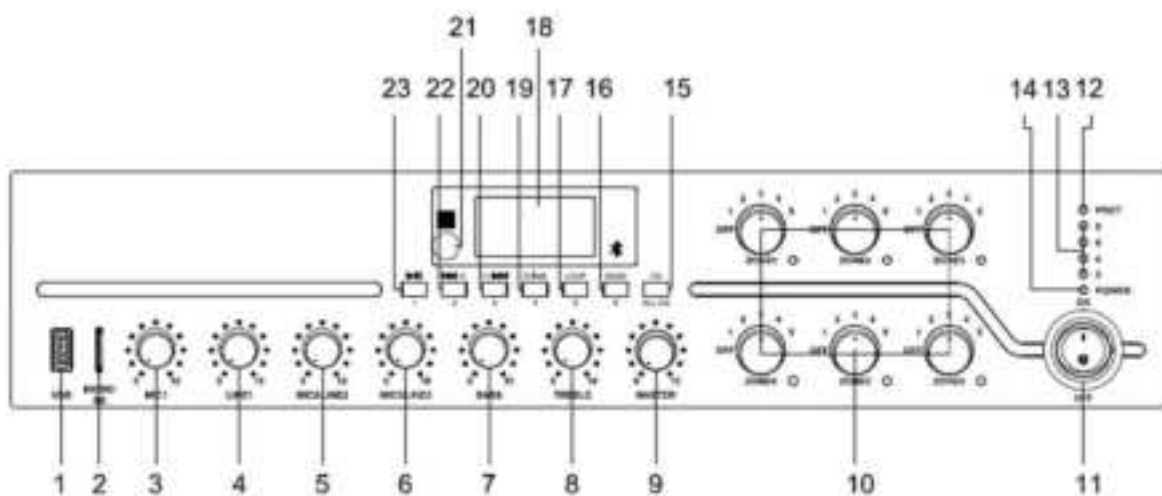
Features

- 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>Remote Paging>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.
- SIRNE 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 counterclockwise to volume down

4. LINE1 Volume Adjustment Knob

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

5. MIC2/LINE2 Volume Adjustment Knob

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

6. MIC3/LINE3 Volume Adjustment Knob

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

7. Bass Volume Adjustment Knob

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

8. Treble Volume Adjustment Knob

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

10. 6-Zone Volume Adjustment Knob & Indicator

- Adjust the volume of 6 zones, clockwise to volume up and counterclockwise 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

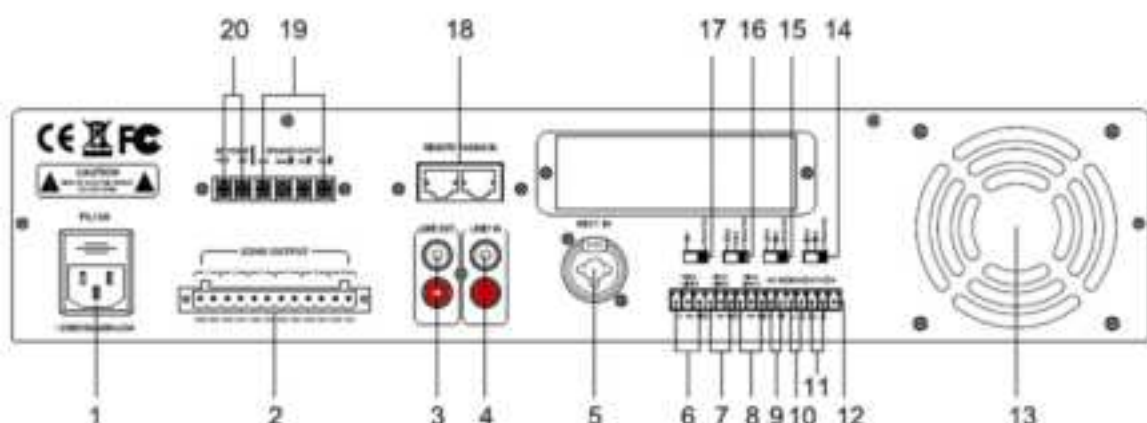
22. Previous Song / (FM mode for previous program)

- 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:

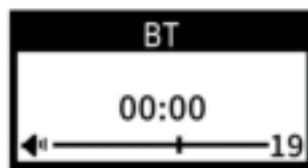
- Turn down the total volume.
- Turn down the zone volume.
- Connect the stereo amplifier to the power supply; Turn on the amplifier till the power indicator is on.
- Turn the total volume to the optimal level.
- Adjust the zone volume until it reaches the desired volume output. If you need to change 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

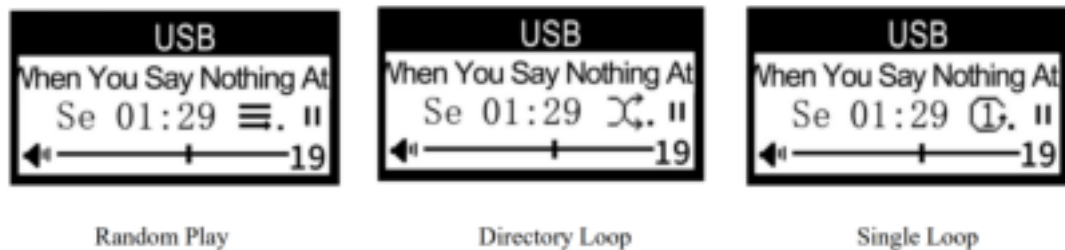
Press the MODE button until the digital screen displays Bluetooth and Bluetooth name, as shown below, then please open the cell phone or other Bluetooth devices, find the device with Bluetooth name of "6 ZONES AMP BT" for pairing. After that, music can be streamed from phone (when the device and cell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



4. USB Mode

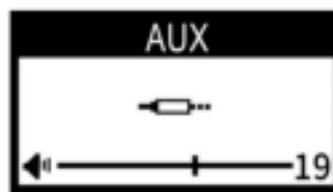
When insert a USB, it will automatically come to USB mode (plug and play). As shown below, the interface displays the current playing song name, playing

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.



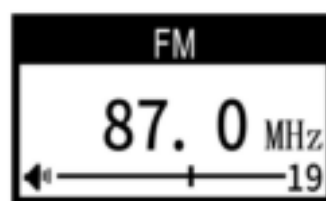
5. Line Mode

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.

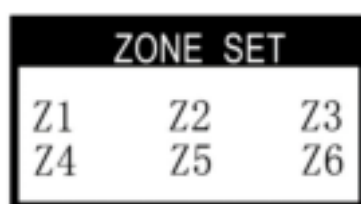


- Searching radio stations: Before playing, search radio stations first, the FM band radio frequency range is 87.00MHz - 108.00MHz.
Methods of searching for Radio Stations: Short press button  on the panel or remote control to search automatically from low to high frequency bands. The searched stations 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.



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).



- 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

SI No	Characteristics		NVS-PA0028006 CP	NVS-PA0029006 CP	NVS-PA0030006 CP	NVS-PA0031006 CP
1	Rated Output Power		250W	350W	500W	650W
2	Input Sensitivity	MIC1	MIC1 10mV ±1mv (Balanced XLR Input)			
3		MIC2/MIC3 /MIC4	MIC2/MIC3/MIC4 10mV ±1mv (Unbalanced Phoenix Jacks)			
4		AUX1	AUX1 350mV±50mv (Unbalanced RCA Input)			
5		AUX2	AUX2 350mV ±50mv (Unbalanced Phoenix Jacks)			
6		EMC	EMC 350mV ±50mv (Unbalanced Phoenix Jacks)			
7	MIC Frequency Response		120Hz~12kHz (±3dB)			
8	AUX Frequency Response		80Hz~15kHz (±3dB)			
9	Total Harmonic Distortion	<1%				
10	Treble Adjustment Range		10dB (±2)			
11	BASS Adjustment Range		10dB (±2)			
12	Phantom Power		+48V			
13	Operating temperature		-30°C to +70°C			
14	Operating humidity		10% to 90% RH non-condensing			
15	Power Supply		AC230V 50/ 60Hz			
16	Output Voltage of Port		4-16Ω,70V/100V (fixed voltage output)			
17	Current		2A	3A		4A
18	Protection		F3.15AL	F6.3AL		F8AL
19	Weight		8.6KG	9Kg	10.1Kg	11Kg
20	Dimension(D×W×H)		430×390×88mm			