CNS808 8x8 Digital Audio Matrix

TECHNICAL DATA SHEET

DESCRIPTION:

The CNS808 digital audio matrix & paging controller is highly integrated, which is catering for multi-zone

paging and multi-sources selection.

It supports 8 balanced audio inputs and 8 balanced audio outputs, remote paging, remote panel control,

remote computer & Android pad control. It supplies with multiple audio inputs. Besides 8 AUX inputs, it also

supports MP3 playing (built-in or external USB) and built-in FM. To better adapt to the emergency system, it

supports TEL paging to all zones, one-touch alarm, 8 dry contact inputs and 1 dry contact out put.

It's a complete solution for multi-zone, multi-functional venues like entertainment place, large-scale hotel,

sports centers, shopping mall, airport etc.
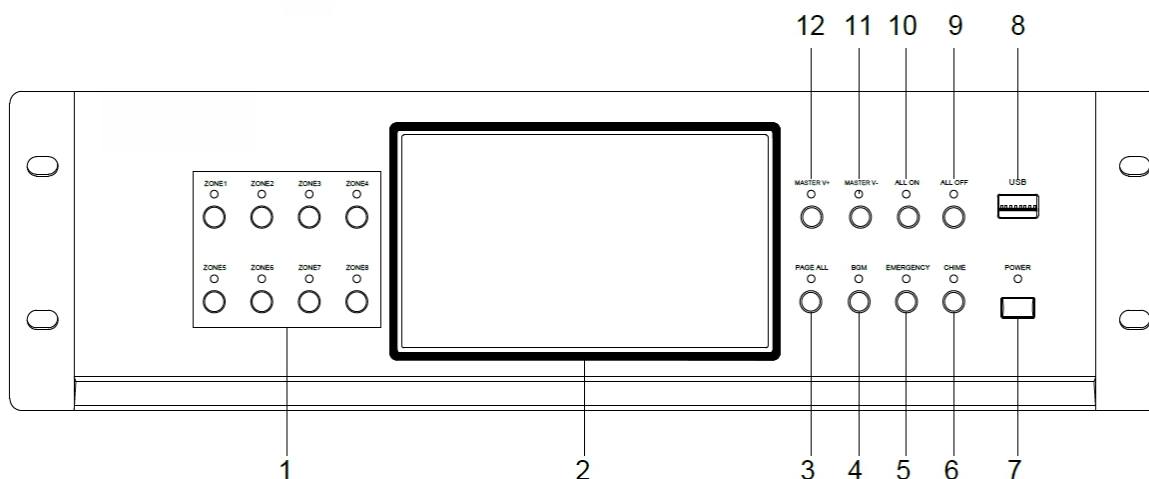
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FEATURES:

- 7" with touch capacitive color screen, embedded operating system;
- Built-in high performance DSP,10M/100M/1000ME ther net interface;
- Integrated Digital Audio Matrix, display, intelligent timing control, zones control and other functions in PA system;
- 8 channel zones output independent control and each channel with individualicon equalizer and individual volume control;
- Each channel can be linked independently with control panel and remote volume control of sound source with voice, wiring and MP3 player;
- 8-channel normal sounds our cebalanced input and each channel with individual icon equalizer and individual volume control;
- 2-channel local microphone input(with phantom power options) and each channel with individual icon equalizer and individual volume control;
- 1-channel Mp3 display (built-in program or extra polated U disk) with individual icon equalizer and individual volume control;
- 1-channel FM with individual icon equalizer and individual volume control;
- 1-channel fixed telephone input (with authority management), only one line can be operated in the whole area and with individual volume control;
- 1-channelchimewithindividualvolumecontrol;
- 1-channel voice alarm (akeyalarm), can be replaced alarm contents as needed;
- 4-channel remote paging microphone, parallel paging with priority control and individual icon equalizer and individual volume control;
- 1-channel fire emergency analog signal input;
- 8-channel independent zones fire emergency trigger input(shortcircuit signal), 1-channel whole area fire emergency trigger input(short circuit signal), 1-channel fire linkage output (short circuit signal);
- Support PC/AndroidLANremotecontrol;
- Zones and sound source physical shortcuts, easy to use;
- Built-in zones monitoring;
- Built-in 8G storage and maximum support 32G;
- Support AC220 (or110V) & 24VDC powersupply.

SPECIFICATIONS:

Model	CNS808
Power supply	AC110V or AC220V/50Hz DC24V
Input sensitivity of MIC1 & MIC2	10mV
Input sensitivity of lines 1-8	250mV
Output voltage of lines 1-8	1V
Input sensitivit of EMC	250mV
MIC I/O frequency response (±3dB)	80Hz□10kHz(±3dB)
Line I/O frequency response (±3dB)	20Hz□20kHz(±3dB)
Radio frequency band	86-108MHz
Max. output noise	<3mV
Output distortion (@1kHz)	<1%1KHz
Machine size	484mm×375mm×132mm(1PC)
Packing size	540mm×510mm×195mm(1PC)
Net weight	10Kg
Gross weight	13Kg(1PC)

PRODUCT INFORMATION

FRONT / REAR PANEL

1. **1-8 zones button and indicator**
2. **Display / Touch Screen**
The display shows dynamically all information of the system and it is also the touch screen for operation.
3. **Page all button and indicator**
4. **Background source button and indicator**
5. **Full emergency button and indicator**
It can send the warning signals to all zones simultaneously by pressing the full-warning button of the system, and meanwhile, the indicator light is ON
6. **Chime and indicator**
7. **Power**
8. **USB**
Use to connect the U disk with MPS programs, mobile hard disk and other memory devices. It can directly play the songs of the U disk and copy the programs for built-in MP3 player.
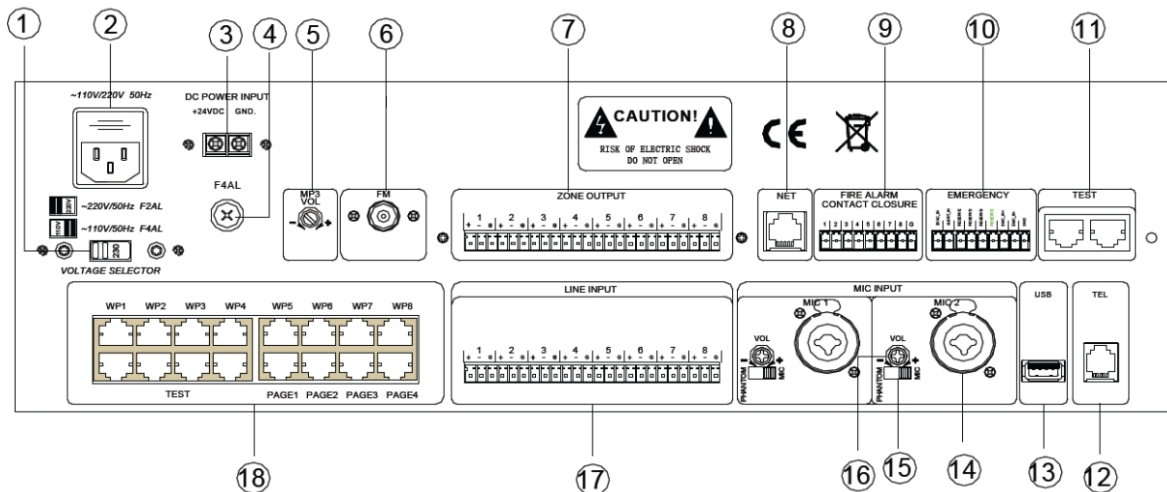9. **All-page close and indicator**
10. **All-page open and indicator**

11. Volume control-
12. It controls the volume of zones. Press this button to turn down the volume
It controls the volume of zones. Press this button to turn up the volume.

①**AC 110V/220V Selector Switch**
Use to select the operating voltage.

②**AC Power Input Socket**
Plug the AC power cord into this socket.

③**DC 24V connection terminal**
Externally connect with DC24V power supply

④**DC 24V Fuse**
Use for the fixed DC power supply. If it is fused, please replace it with the fuse of the same specification. A continuous fusing indicates that there are some faults.

⑤**MP3 volume control knob**

⑥**FM Antenna Interface**

⑦**Zones Output**
Connect with the power amplifier.

⑧**Network Interface**
It is used to connect the LAN, through which the remote control of the system is performed.

⑨**Alarm Signal Input**
Input the signals from the fire control center.

⑩**Alarm Signal Input**

⑪**Testing Interface**
It is used for testing.

⑫**Telephone Interface**
It is used to connect the telecom signals to this machine.

⑬**USB**
It is used to update the applications.

⑭**MIC2 Input Interface**

⑮**+48V Phantom Power Control Switch (MIC1-MIC2)**
MIC1 and MIC2 are individually controlled.
Turn left the switch to open this power source when the +48V phantom power supply microphone is used.
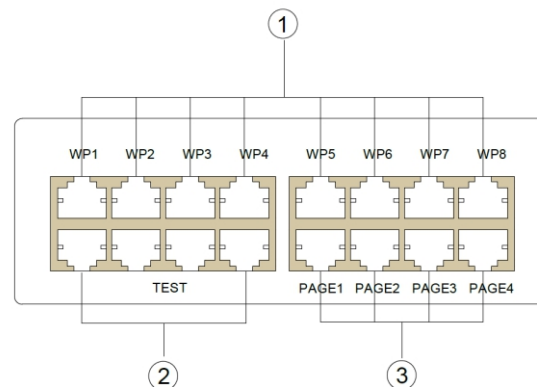
⑯**Volume Control Knob**

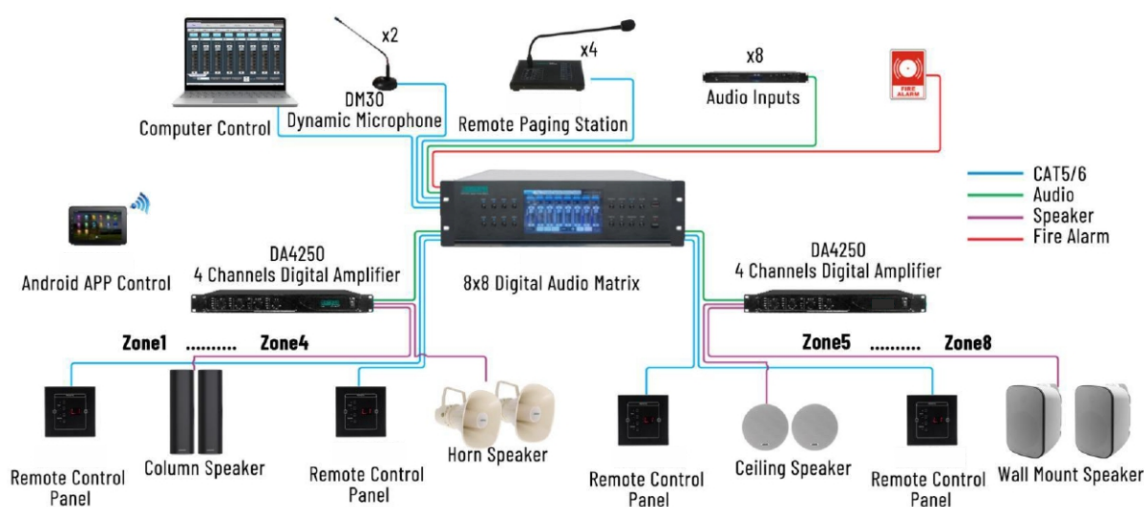⑰**Line Input Interface**
As shown below:

①Control panel interface
Connect 8 sets CNS808C/CNS808S control panels.

②Extension interface

③Connect 4 CNS808R paging microphones

SYSTEM DIAGRAM

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