

SAP-DX445(450W)

4-Channel 450W Professional Amplifier

SPON 4-Channel professional power amplifier suitable for scenarios such as conference rooms, lecture halls, auditoriums,sports fields, command centers, and more.

4 channels | Multiple Protection

MAIN FEATURES

▲ Advanced Technology and High - Performance Audio

Adopting advanced CMOS technology, advanced Class-D and efficient SMPS module design, extremely high efficiency, low heat generation, reliable and durable, strong resistance to puncture, clean sound, and minimal distortion.

▲ High Compability

Suitable for bars, outdoor performances, conference rooms, cinemas, music cafes, and any background music occasions that require sound reinforcement;

▲ Multi - Protection

Circuit full protection: soft start, direct current, sub audio frequency, high frequency,overheating, short circuit, silent on/off;

SPECIFICATION

POWER PARAMETERS

Power Input:	80-260V AC, 50-60Hz
Rated Output (Stereo Mode):	8Ω:4*450W 4Ω:4*765W 2Ω:4*1300W
Rated Output (Bridge Mode):	16Ω:2*900W 8Ω:2*1530W 4Ω:2*2601W

INTERFACE

Input Connectors:	XLR Socket (Female)
Speaker Input Connectors:	SPEAKON
Controls In Front Panel:	Power switch, Volume gain control
Controls In Rear Panel:	Output mode switches: Parallel, Stereo and Bridge
LED Indicators:	3 LED lights per channel: Power, Signal, Parallel & Bridge mode
Cooling:	Internal air forced exhaust heat dissipation, fan cooling, quick adjustment,temperature protection

MECHANICAL & ENVIRONMENT PROPERTIES

Product Dimensions:	483(W) × 45(H) × 370(D) mm
Product Weight:	8.25kg

AUDIO PARAMETERS

Input Sensitivity(Rated output, 1KHz):	35dB/32dB/29dB/26dB
Frequency Response:	+0dB,-0.5dB(10% Rated / Output Power, 8Ω, 20Hz-20kHz)
THD+N: Typical Values:	0.01%(10% Rated Output Power, 1kHz,8Ω)
Crosstalk Suppression:	≥90dB(When lower than rated power, 20Hz-1kHz)
Input Impedance:	20kΩ(Balanced), 10kΩ(Unbalance)
Damping Factor:	≥1000 (8Ω, 20Hz-200Hz)
Signal-to-noise Ratio:	≥105dB(A weighted，20Hz-20kHz，8Ω)

ACCESSORIES

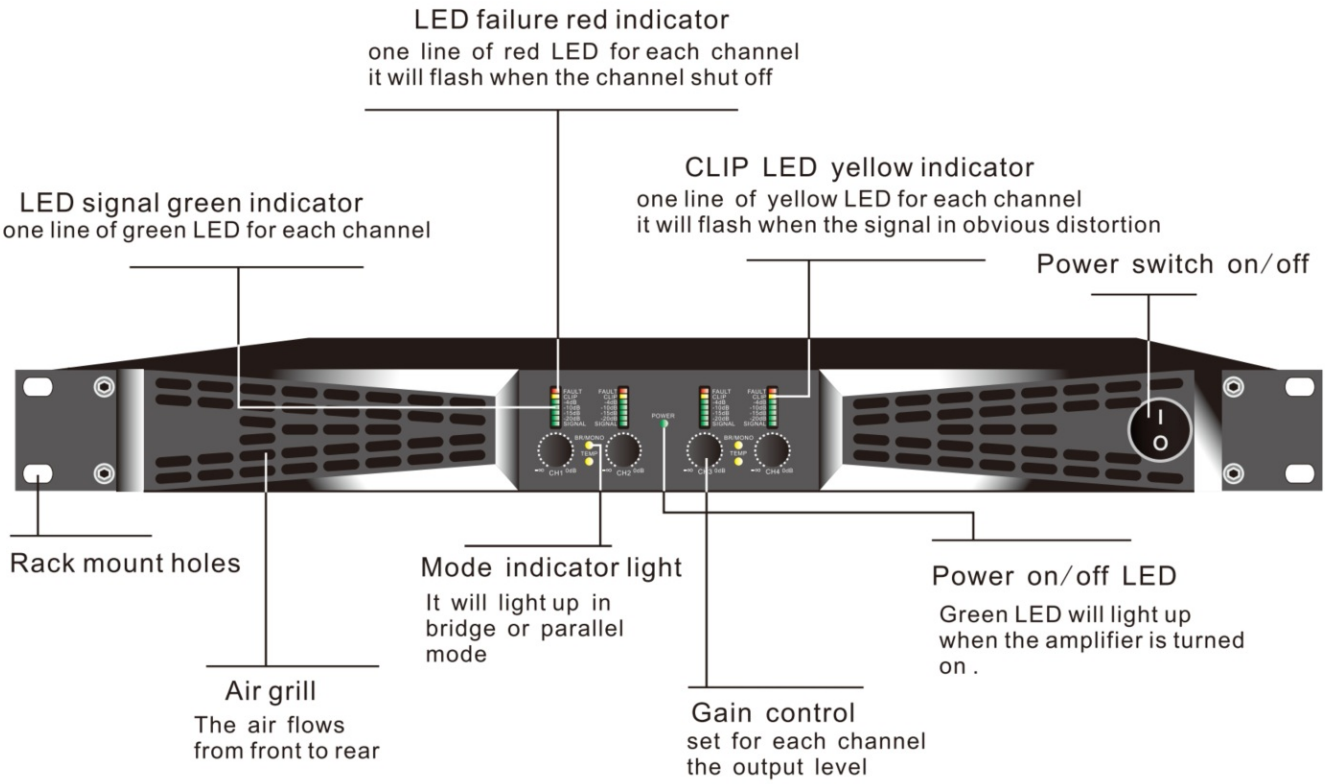
1×Power Cord (Optional)

1×Quick Installation Guide

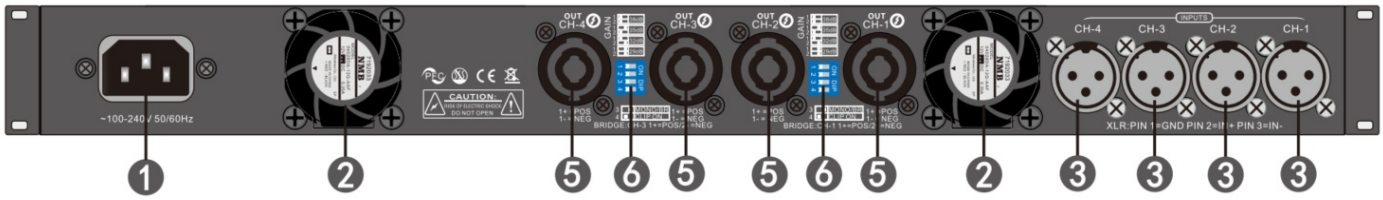
1×Certificate of Quality & Warranty Card

INTERFACE DESCRIPTION

[Front Panel]



[Rear Panel]



① Power connector

② Cooling fans

③ Signal input XLR balanced female connectors.

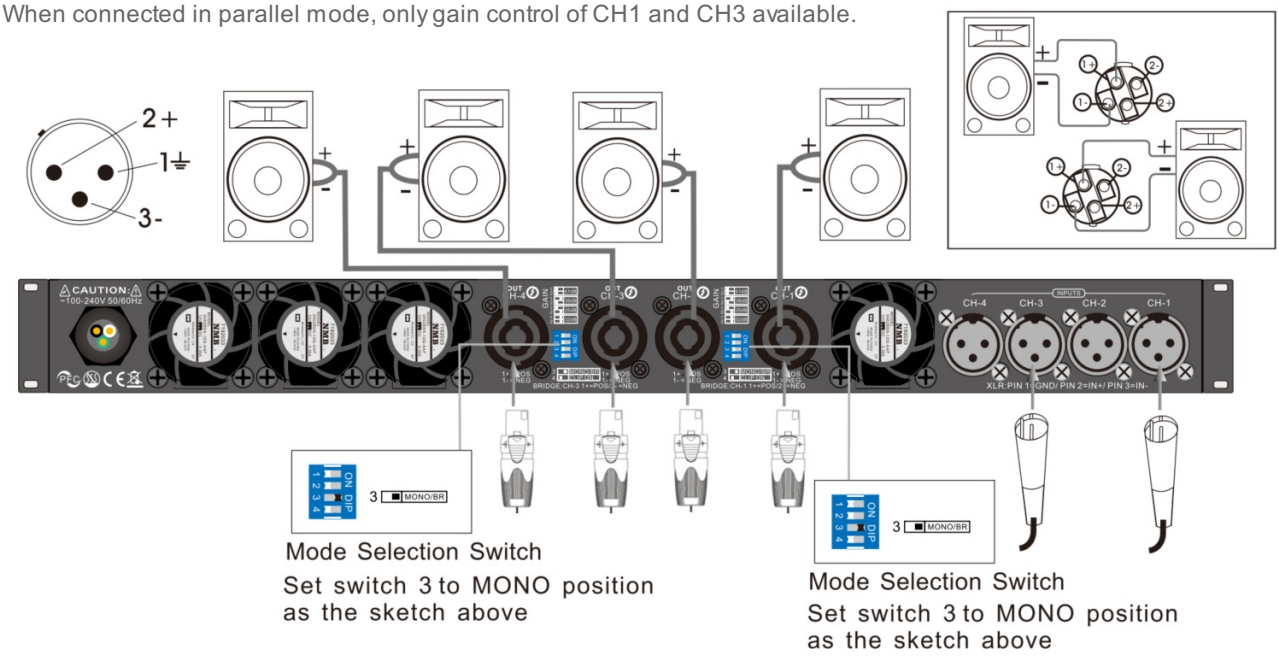
⑤ Signal output connectors, four core SPEAKON speaker sockets.

⑥ Switch 1 and 2 are gain control, select a right gain value as this sketch. Switch 3 is for mode selection of stereo, bridge or parallel. Set it to the right for stereo mode. MONO and BR to the left is for parallel and bridge mode. Switch 4 is for CLIP on or off.

CONNECTION DRAWING

4-Channel Parallel mode Wiring Instruction

1. When using SPEAKON connectors for parallel mode, signal input from 2 channels to drive 4 pcs of speakers.
2. Set switch 3 to mono/parallel position on rear panel as the instruction sketch below.
3. Connect speaker to SPEAKON connectors as the instruction sketch below.
4. When connected in parallel mode, only gain control of CH1 and CH3 available.

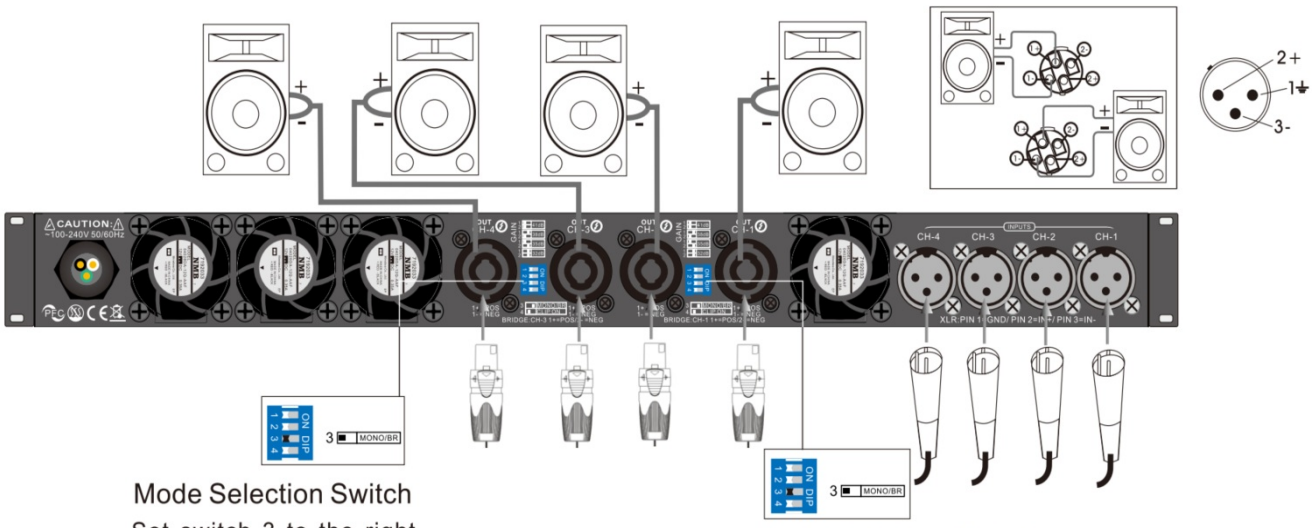


Mode Selection Switch
Set switch 3 to MONO position as the sketch above

Mode Selection Switch
Set switch 3 to MONO position as the sketch above

4-Channel Stereo Mode Wiring Instruction

1. When using SPEAKERON connectors for stereo mode, there are 4 channels with input signal to push four speakers.
2. Connect speakers to SPEAKON connectors as the sketch instruction below.
3. When connected in stereo mode, gain control of CH1,CH2,CH3 and CH4 available



Mode Selection Switch
Set switch 3 to the right , the stereo mode position as the sketch above

Mode Selection Switch
Set switch 3 to the right , the stereo mode position as the sketch above

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