DAP-8400 Digital Intelligent Audio Management Plus

SΘUNDVISION

The DAP-8400 Digital Intelligent Audio Management Plus Amplifier design by flexibility and complete, has 8 channel microphone input, every 4 channel divide into Area A and Area B, two area independently with Auto Mixer work with Mic Noise Canceling and Auto Room Calibrate work with Digital Feedback Suppression, can separate access according to the needs of different occasions or bypass. Built in Acoustic Echo Cancallation (AEC) for Video Conference system, Built in 4 channel power amplifier, stereo bridge transformation, can drive 4x150W at 4Ω stereo and 2x300W at 8Ω bridged, and Built in USB port for recording audio and playback. The DAP-8400 Supports multiple meeting for Corporate meeting Rooms , Government meeting room & City Council Meeting , Education institutions , Courtrooms and Non-profit organizations. All these great Function are in DAP-8400.

Feature

- Digital intelligent audio management plus amplifier.
- 8 channel microphone input, first 4 mic channel is divided into Area A and next 4 mic channel is divided into Area B.
- Easy to control Volume output on panel and have indicators LED lighting display status of CLIP (Peak), SNG (Signal), PRO (Protection) and Bridge (Bridge Mode).
- Combo jacks (XLR/1/4"), RCA inputs provide flexibility.
- EQ Low/Mid/Hi adjusting Frequency of MIC/LINE.
- Each channel of microphone input has Volume GAIN and +48V phantom power switch to adjusting independent.
- Mic input area A and area B have independently with Auto Mixer work with Mic Noise Canceling and Auto Room Calibrate work with Digital Feedback Suppression.
- Built in Professional Digital Feedback Suppression function, through/feedbackmode can be convertible.
- Built in Acoustic Echo Cancallation (AEC).
- Built in USB port for recording and playback in MP3 format.
- Cooling Vents and Fan provide front to back forced airflow for cooling.

Specifications

DAP-8400

Power Supply	AC~220V 50Hz
Consumed Power	700W
Frequency Response	20Hz-20KHz
THD	<0.05%@1KHz

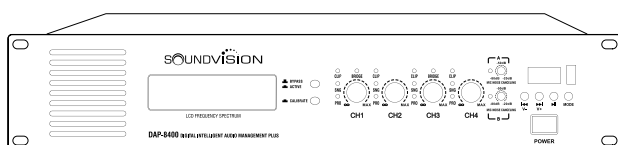| Input Impedance	MIC Input：47KΩ　Line Input：10KΩ Music Input：10KΩ　Remote Input：10KΩ
Output Impedance	Extend Output：220Ω　Remote Output：1KΩ REC Output：1KΩ　Collect recording：1KΩ
Size	430X400X88mm
Net weight	15Kg
Feedback	
Sampling Rate	32KHz
Frequency Response	125Hz~15KHz
Distortion	<0.1%@1KHz
SNR	>90dB
Signal Delay	<11ms
CMRR	25dB（50Hz ± 20kHz）
Ambient noise elimination	
Frequency Response	10Hz-30KHz
Distortion + Noise	<0.2%@1KHz
Noise	<-90dBu
Dynamic Range	114dB
Limit Range	-80 to -20dBu
Noise Gate	<100us
Amplifier	
Frequency Response	20Hz-20KHz±0.5dB
THD	<0.05%@1KHz
SNR	>100dB
Power Consumption	700W
Rated output power	4X100W（8Ω STEREO） 4X150W（4Ω STEREO） 2X300W（8Ω BRIDGED）

DAP-8400 Digital Power Amplifier Intelligent Management

Controls and Indicators

Front

- Power on/off switch.
- Cooling Vents for Front to rear forced air flow.
- 1 LCD Display for FREQUENCY SPECTRUM.
- 1 Push button switch for ACTIVE feedback function or BYPASS Feedback function.
- 1 Push button CALIBRATE switch for Activated calibration environment.
- 1 Rotary Volume Switch Knobs CH1 for adjusting output volume channel 1 with 4 LED indicators of CLIP (Peak), SNG (Signal), PRO (Protection) and Bridge (Bridge Mode)
- 1 Rotary Volume Switch Knobs CH2 for adjusting output volume channel 2 with 3 LED indicators of CLIP (Peak), SNG (Signal) and PRO (Protection).
- 1 Rotary Volume Switch Knobs CH3 for adjusting output volume channel 3 with 4 LED indicators of CLIP (Peak), SNG (Signal), PRO (Protection) and Bridge (Bridge Mode).
- 1 Rotary Volume Switch Knobs CH4 for adjusting output volume channel 4 with 3 LED indicators of CLIP (Peak), SNG (Signal) and PRO (Protection).
- 1 USB port for recording and playback in MP3 format.
- 1 soft button (I◀◀ / VOL-) for select menu to the left and reduce volume (Hold press).
- 1 soft button (▶▶I / VOL+) for select menu to the right and increased volume (Hold press).
- 1 soft button (MODE) for Enter to select menu.
- 1 soft button (▶I) of
  - Push button for Start and push button again for pause.
  - Hold button (record mode working on) for save record audio and exit return to select menu.
- 1 Volume MIC NOISE CANCELING for adjusting Area A with LED indicators.
- 1 Volume MIC NOISE CANCELING for adjusting Area B with LED indicators.

Controls and Interconnections

Back

- 1 x AC input.
- 2 x Combo jacks (XLR/1/4") Input of COLLECTION MIC with +48V phantom power Push square button switch (Socket 1/4 inch jack without +48V phantom power) and Volume GAIN adjusting independent.
- 4 x Combo jacks (XLR/1/4") Input of Area A (MIC1–MIC4) with +48V phantom power Push square button switch (Socket 1/4 inch jack without +48V phantom power) and Volume GAIN adjusting independent.
- 1 x Push square button switch for 4 IN 1 function or BYPASS function of Area A (MIC1 – MIC4).
- 1 x Push square button switch for ACCESS function MIC NOISE CANCELING or BYPASS function MIC NOISE CANCELING of Area A (MIC1 – MIC4).
- 4 x Combo jacks (XLR/1/4") Input of Area B (MIC5–MIC8) with +48V phantom power Push square button switch (Socket 1/4 inch jack without +48V phantom power) and Volume GAIN adjusting independent.
- 1 x Push square button switch for 4 IN 1 function or BYPASS function of Area B (MIC5–MIC8).
- 1 x Push square button switch for ACCESS function MIC NOISE CANCELING or BYPASS function MIC NOISE CANCELING of Area B (MIC5–MIC8).
- 1 x Volume LINE IN (Line input) adjusting independent with RCA sockets Connector.
- 1 x Volume REMOTE IN (Remote input) adjusting independent with RCA sockets Connector.
- 1 x Volume REMOTE OUT (Remote output) adjusting independent with RCA sockets Connector.
- 2 x RCA sockets Connector COLLECTION MIC OUT of Collection Mic output.
- 1 x Volume SYSTEM OUT (System output) adjusting independent with RCA sockets Connector.
- 1 x Volume HI for adjusting High Frequency of MIC/LINE.
- 1 x Volume MID for adjusting Middle Frequency of MIC/LINE.
- 1 x Volume LOW for adjusting Low Frequency of MIC/LINE.
- 1 x Volume MUSIC IN (Music input) adjusting independent with RCA sockets Connector.
- 1 x Volume REC OUT (Record output) adjusting independent with RCA sockets Connector.
- 1 x Volume REC NOISE CANCELING adjusting independent of REC OUT with LED indicators.
- 1 x Push square button switch for MIC+LINE function or ALL SIGNAL function of REC SIGNAL CHOOSE (REC OUT)
- 4 x Binding Post Output Jacks (pair) of CH1 to CH4.
- 1 x Mode STEREO/BRIDGE switch of CH1 and CH2.
- 1 x Mode STEREO/BRIDGE switch of CH3 and CH4.
- 1 x Fan provide front to back forced airflow for cooling.

DAP-8400 Digital Power Amplifier Intelligent Management

Diagram

Web / VDO
Conference System

Web / VDO
Conference System

Internet

DAP-8400

Conference System

Loudspeaker

Mic 1   Mic 2   Mic 3   Mic 4

Mic 5   Mic 6   Mic 7   Mic 8