

DAP-8400 Digital Intelligent Audio Management Plus



This digital intelligent audio management plus amplifier. The DAP-8400 design by flexibility, has 8 channel microphone input, every 4 channel divide into Area A and Area B, two area independently choose four automatic mixing function and environmental noise cancellation function, can separate access according to the needs of different occasions or bypass. With high-speed automatic feedback function, can effectively prevent the local amplification caused by the noise, enhance the acoustic pressure and clarity. Built-in 4 channel power amplifier, stereo bridge transformation, can drive 4x150W at 4Ω stereo and 2x300W at 8Ω bridged.

The DAP-8400 Supports multiple meeting for Corporate meeting Rooms , Government meeting room & City Council Meeting , Education institutions , Courtrooms and Non-profit organizations.

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.
- 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 to choose the environmental noise of eliminating function and independently to choose 4 or 1 automatic mixing function.
- Built in Professional Digital Feedback Suppression function, through/feedbackmode can be convertible.
- EQ Low/Mid/Hi adjusting Frequency of MIC/LINE.
- Built in USB port for recording and playback in MP3 format.
- Drive 4x150W at 4Ω stereo and 2x300W at 8Ω bridged.
- 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

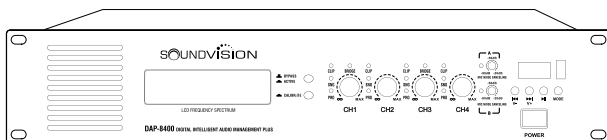
- Power on/off switch.
- Cooling Vents for Front to rear forced air flow.
- 1 LCD Display for FREQUENCY SPECTRUM.
- 1 Push button switch for ACTIVE feedback function or BYPASS Feedback function.
- 1 Push button CALIBRATE switch for Activated calibration environment or Not Activated calibration environment.
- 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 (◀ / VOL-) for select menu to the left and reduce volume (Hold press).
- 1 soft button (▶ / VOL+) for select menu to the right and increased volume (Hold press).
- 1 soft button (MODE) for Enter to select menu.
- 1 soft button (⏸) 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.



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Diagram

