

SAP-D210Y Mixer Amplifier

INTRODUCTION

SPON Mixer Amplifier SAP-D210Y is a integrated amplifier featuring a high-performance power amplifier with high efficiency, strong performance, and low distortion. It supports 100V constant-voltage output and is equipped with microphone input as well as line input/output interfaces. It is suitable for schools, shopping malls, office buildings, and various indoor public address applications.

MAIN FEATURES

- **High-Performance Digital Amplifier:** Adopts a high-performance digital amplifier design with high efficiency, low distortion, and stable output performance.
- **100V Constant-Voltage Output:** Supports 100V constant-voltage output for connection to constant-voltage public address speaker systems.
- **Multiple Audio Interfaces:** Equipped with microphone input and line input/output interfaces to meet basic sound reinforcement requirements.
- **1U Rack-Mount Design:** Compact 1U rack-mount design for convenient installation and system integration.



1U Rack

MIC
Input

100V Fixed
Voltage





PARAMETERS:

Rated Power	100W RMS
Frequency Response	LINE: 60Hz–20kHz ±3dB; MIC: 70Hz–20kHz ±3dB
THD	<1% at 1kHz, 1/3 output power
Tone Control Range	BASS: ±10dB; TREBLE: ±10dB
Power Input	AC 110V–230V, 50/60Hz
Power Consumption	120W
MIC Input Connector	6.35mm Phone Jack
MIC Input Sensitivity	10mV
MIC Input Impedance	>1kΩ
MIC Dynamic Range	93dB
MIC SNR	≥70dB
LINE Input Connector	RCA PIN Jack
LINE Input Sensitivity	200mV
LINE Input Impedance	>5kΩ
LINE SNR	≥80dB
Speaker Output	8Ω / 70V / 100V
Zone Output	2-zone 100V output
AUX Output	1 × AUX Output (RCA)
AUX Input	1 × AUX Input (RCA)
MIC Gain Adjustment	Supported
Echo Adjustment	Supported
USB Interface	Supported
Playback Function	USB / Bluetooth / FM
Mounting	Desktop
Color	Black
Dimensions	220 × 200 × 45 mm
Weight	2.3kg
Warranty	2 Years

The technical drawing illustrates the SAP-D210Y mixer amplifier from two perspectives: a front view and a top view.

Front View (Left): This view shows the control interface of the device. It includes eight rotary knobs arranged in two rows of four. The top row knobs are labeled CH2, TREBLE, ECHO, and AUX VOL. The bottom row knobs are labeled CH1, BASS, MIC VOL, and MUSIC. To the right of these knobs are four circular buttons labeled MODE, PREV, P.P., and NEXT. A central rectangular display screen is positioned below these buttons. At the bottom of the front panel, there is a USB port and a power switch labeled POWER. The width of the front panel is dimensioned as 220 mm, and the height is dimensioned as 45 mm.

Top View (Right): This view shows the top surface of the device, which is a plain rectangular area. The width is dimensioned as 220 mm, and the depth is dimensioned as 200 mm.