

HY-GD18S/GD24S

Preamplifier Audio Conference System

Description

This professional PA mixer amplifier is designed for commercial and public address applications, delivering reliable, high-quality audio performance for schools, offices, retail stores, factories, and public facilities. It features two microphone inputs, two auxiliary line inputs, one auxiliary output, independent microphone volume control, bass and treble tone adjustment, and four-zone speaker selection for flexible audio distribution. Equipped with MIC1 priority muting, automatic dual-speed temperature-controlled cooling, comprehensive protection circuits against short circuit, overheating, overvoltage, overcurrent, and DC faults, as well as support for 100V/70V constant-voltage and 8Ω constant-impedance outputs, it provides stable, efficient, and dependable operation for a wide range of professional PA installations.

Specifications

Mechanical	
Rated Output Power	180W/240W
Speaker Output	100V / 70V Constant Voltage, 8Ω Constant Impedance
Microphone Inputs	2 × MIC (Unbalanced)
Line Inputs	2 × AUX (Unbalanced)
Auxiliary Output	1 × Line Output (600Ω / 1V, 0dB)
MIC Input Sensitivity	600Ω / 2.0mV (-54dB)
AUX Input Sensitivity	10kΩ / 250mV (-10dB)
Frequency Response	20Hz - 20kHz
Total Harmonic Distortion (THD)	≤0.1% @ 1kHz
Signal-to-Noise Ratio	>75dB
Tone Control	Bass ±10dB @100Hz, Treble ±10dB @10kHz
Priority Function	MIC1 Priority Mute
Zone Selection	4 Selectable Speaker Zones
Cooling System	Automatic Dual-speed Temperature-controlled Fan
Protection	Short Circuit, Overheat, Overvoltage, Overcurrent & DC Protection
Power Consumption	**270W**
Power Supply	AC220V / 50Hz
Dimensions (W × D × H)	483 × 380 × 90 mm
Weight	11kg/11.5kg

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