



Feature:

1. Standard chassis design, 2U aluminum alloy panel, integrated handle and ear mount design, suitable for cabinet or desktop installation
2. Professional noise gate controls output signal to ensure background music is muted
3. One MP3 master volume control knob for unified MP3 volume control, two-band parametric EQ knobs for adjusting bass and treble to enhance sound quality
4. Independent volume control knobs for each line input and each microphone channel
5. Ding-dong prelude sound button: Press to automatically play the sound at maximum volume, customizable one-touch alarm music
6. MP3 player capable of playing audio from USB flash drives and SD cards, supporting up to 32GB, and Bluetooth functionality
7. FM radio capable of receiving radio programs from 88-108MHz
8. 5 audio inputs, including 3 standard line inputs and 2 standard microphone inputs
9. 1 audio output, loopable to the next amplifier's audio input
10. MIC1 has the highest priority and automatically mutes when a signal is input. Junction FETs perform priority conversion to ensure signal distortion during muting
11. Individual volume control for each of the six channels, with five adjustable levels per channel
12. 70V and 100V constant-voltage outputs, 4-16Ω constant-resistance outputs, and six channels of constant-voltage output for CH1-CH6
13. Real-time operating status indicators: three signal indicators, one protection indicator, one distortion indicator, and one power indicator
14. Line safe operating range protection ensures safe operation of the output load in harsh environments, including short circuits and overloads
15. Comprehensive thermal protection: When the unit temperature rises, the temperature servo circuit accelerates the fan, ensuring low fan noise
16. Peak negative feedback protection: Detects signal distortion, surges, or severe line overvoltage, effectively protecting the amplifier
17. Integrated crossover tone compensation circuitry corrects high-frequency losses caused by line transformers, resulting in a flat signal spectrum and beautiful sound quality on the line voltage
18. High-octave bass cut circuitry utilizes low-cut technology with tone compensation to remove potentially hazardous ultra-low frequency components without sacrificing sound quality, ensuring safe operation of the boost system

Specification:

Rated Power	500W
Output	70V, 100V, 4-16Ω, CH1-CH5
Input Sensitivity/Impedance	MIC1, 2, 5mV/600Ω, unbalanced TS input; AUX1, 2, 3: 350mV/10kΩ, unbalanced RCA input
Output Sensitivity/Impedance	1000mV/470Ω, unbalanced TS output
Overload Source EMF	MIC1, 2, 3 : >12dB, unbalanced TRS input; AUX1, 2, 3: >20dB, unbalanced RCA input

Tone (Bass)	±10dB @ 100Hz
Tone (Treble)	±10dB @ 10kHz
Frequency Response	50-16kHz (+1dB, -3dB)
Signal-to-Noise Ratio	MIC1, 2: 66dB
AUX1, 2, 3	80dB
Total Harmonic Distortion Wave distortion	0.5% at 1kHz, 1/3 output power
Mute function	MIC1 takes priority over other channels
Channel crosstalk attenuation	≤50dB
Cooling	Front-to-back forced air cooling
Protection	Overheating, overload, and short circuit
Power supply	AC220V, 60/50Hz
Weight	14.5kg
Dimensions (W×H×D)	480*385*100mm