

# SING EASY KAW450 AMPLIFIER SERIES

## ALL-IN-ONE KARAOKE PROCESSOR AMPLIFIER



The Sing Easy KAW450 is designed for small-club and smart-home karaoke applications that demand sound quality and comprehensive processing features in an affordable, easy-to-use package.

KAW450 is a high-efficiency 450-watt two-channel Class D amplifier which delivers unforgettable karaoke experiences including pitch/key shift, echo, reverb and EQ and feedback protection.

Sing Easy products features top-grade components and materials that are robust.

### FEATURES

- High-performance 32-bit DSP and A/D and D/A Converter, 24 bit, 48kHz HD Audio processing
- High-efficiency 450-watt, two channels Class D amplifier
- Four levels of AFE (Automatic Feedback Elimination) technology
- Large TFT display for intuitive operation and settings information
- Two RCA analog audio input, optical audio input, Bluetooth, USB and Quad HDMI inputs and Audio Return Channel (ARC) function
- Two separate microphone input channels
- 10-band PEQ for audio inputs & 7-band PEQ for microphone inputs
- Six output channels: Right, Left, Centre, Sub, Surround Right and Surround Left
- Dance/Sing mode for manual/automatic subwoofer management
- Password viable for front panel lock
- 12 custom presets
- Independent control of Echo and Reverb
- USB port on the front panel for MP3 playback
- Remote controllable via DB9 RS232 communication port



### SPECIFICATIONS

	KAW450
Channels	2
Stereo, 8Ω per channel	450W
Frequency Response	20Hz - 20kHz (± 1.5 dB)
Signal-to-Noise Ratio	>98dB
Damping Factor	>300
Total Harmonic Distortion	≤0.05% at 1kHz
Dynamic Range	ADC 105dB / DAC 103dB
Wireless Microphone Distance	>30m
Bluetooth Distance	>10m
Remote Control Distance	>8m
Feedback Suppression Levels	4
Video Inputs / Outputs	In: 4 x HDMI 2.0 / Out: Audio Return Channel (ARC)
Audio Inputs / Outputs	VOD, AUX and Optical / 5.1 Channel Output
Maximum Input Level	Music: 3Vrms/8dBV / Mic: 180mVrms/-15dBV
Speaker Outputs	2 x Binding Post and 2 x NL4 Male
Maximum Output Level	56Vrms/8Ω
Wireless Modulation	Wideband FM
Wireless Frequency Ranges	650 to 680.1 MHz (470 to 960 MHz available on custom order)
Wireless Microphone Distortion	0.03%
Wireless Power Requirements	3V (2 AA size 1.5 V batteries)
Wireless Operating Time	Approx. 6 hours
Infrared Receiver Carrier	Frequency: 38 KHz
Infrared Receiver Format	NEC
Computer Connection	USB 2.0
Power Requirements	AC 220V ± 10% 50Hz
Power Consumption	520W
Net Weight	13Kg
Shipping Weight	17Kg
Dimensions (W x H x D)	429 × 102 × 386mm

