



IVA KARAOKE  
KA-250 | KA-300 | KS-4310

**Instruction Manual**



# IVA KARAOKE

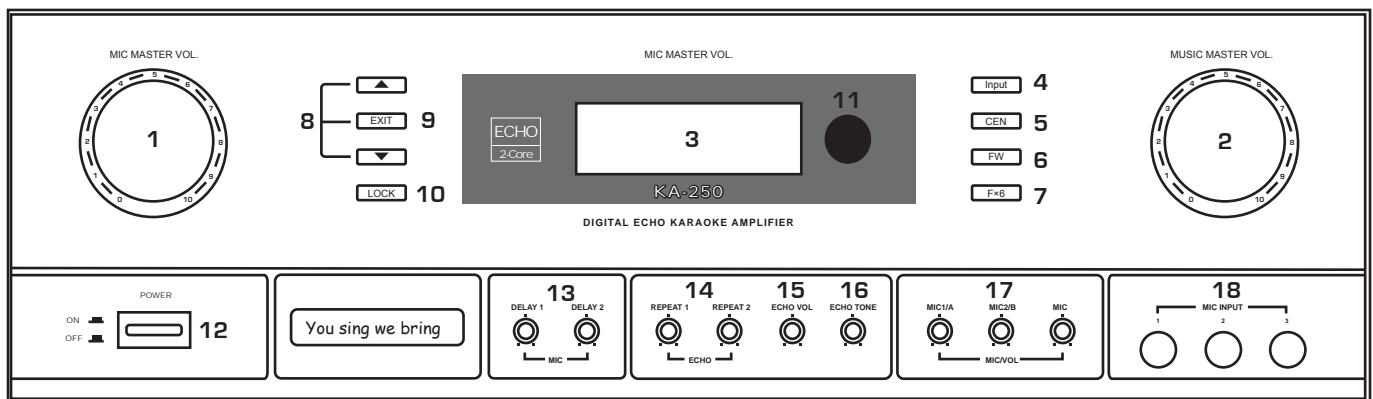
KA-250 | KA-300 | KS-4310

Congratulations on your purchase on IVA Karaoke. IVA Karaoke is the perfect investment for a singing system. With such great quality for a stunning value, nothing will stop you for singing to the world

# KA-250

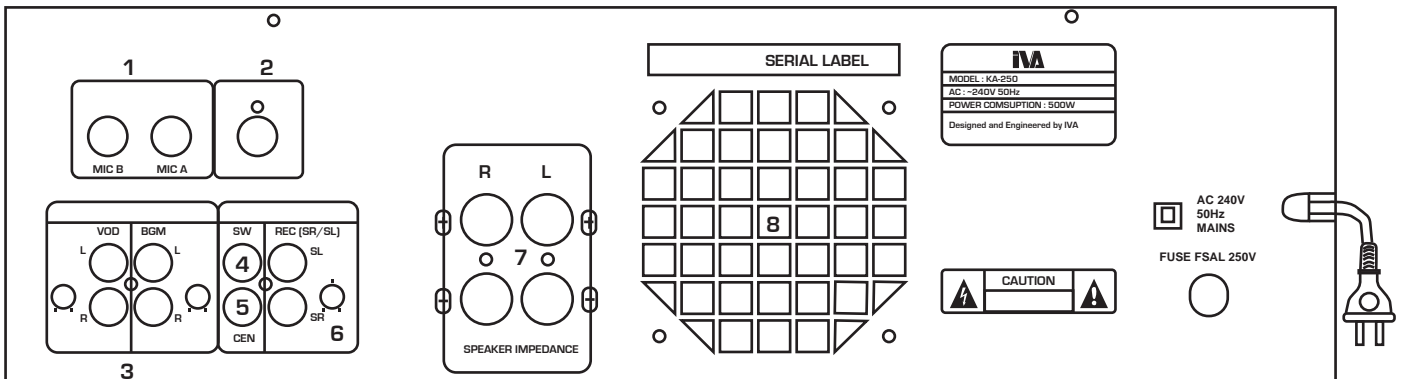
The karaoke amplifier include the following feature

- 250W × 2 Karaoke Amplifiers
- 5 Mic Inputs (3 fronts, 2 rears)
- Adjustable Music Volume, Mic Volume & Echo Volume
- Start Volume Function; Turning volume to start position when device is turned on
- VOD / BGM / Automatic Select Source
- Key Controls
- Delay 1, Delay 2 & Delay Tone Adjustment for Echo Setting
- Hi EQ & Low EQ for Mic and Music



- 1 - Mic Volume Knob (rotate) & Mic Setting Button (push)
- 2 - Music Volume Knob (rotate) & Music Setting Button (push)
- 3 - LCD Screen
- 4 - Input Source Selector
- 5 - Center Output Setting
- 6 - (no function in this model)
- 7 - (no function in this model)
- 8 - Key Controls
- 9 - Exit / Cancel
- 10 - Lock Preset
- 11 - Infrared
- 12 - On / Off Button
- 13 - Delay Setting
- 14 - Repeat Setting
- 15 - Echo Volume (can be control from remote control)
- 16 - Echo Tone
- 17 - Mic Gain
- 18 - Mic Input

# KA-250



- 1 - Mic Inputs
- 2 - Remote Control Input
- 3 - Music Inputs
- 4 - Subwoofer Output
- 5 - Center Output
- 6 - Rec / Surround Outputs
- 7 - Speakers Outputs
- 8 - Cooling Fan

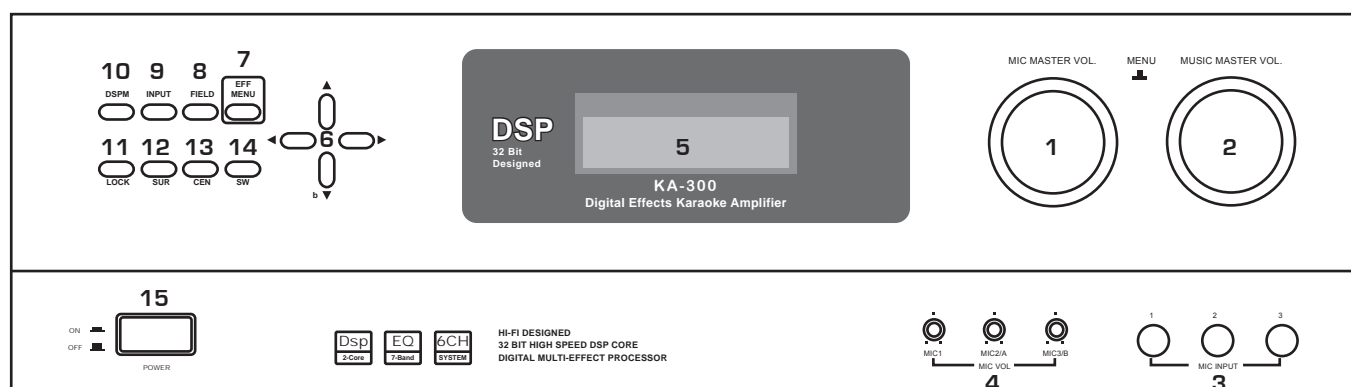
## TECHNICAL SPECIFICATION

Power Output	: 250W × 2 @ 8 ohm, 300W × 2 @ 4 ohm
Frequency Response	: 10 Hz - 30 kHz
Signal / Noise Ratio	: > 90 dB
Separation Degree between Chest Rated Output Power	: 45 dB (1 kHz)
MIC Input Sensitivity	: < 15mV
MIC Input Impedance	: 600 ohm
Power Consumption	: 800W
Power Supply	: 240 Vac +/- 10% 50 Hz
Dimensions	: 420 × 120 × 418 mm (W × H × D)
Weight	: 14 kg

# KA-300

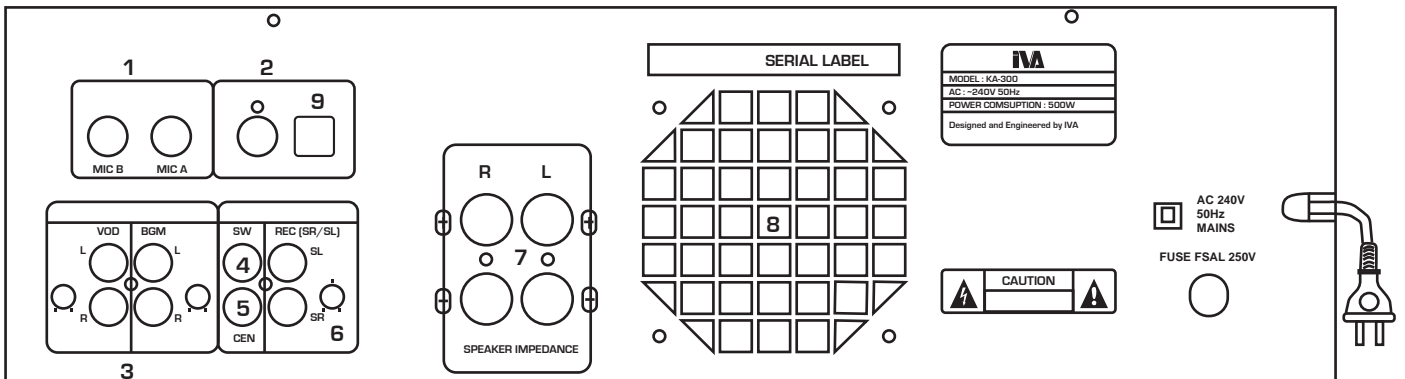
The karaoke amplifier include the following feature

- 300W × 2 Karaoke DSP Amplifier
- 5 Mic Inputs (3 fronts, 2 rears)
- Adjustable Music Volume, Mic Volume & Echo Volume
- Start Volume Function; Turning volume to start position when device is turned on
- VOD / BGM
- Key Controls
- Delay, Echo & Reverb
- 20 Bands Parametric EQ



- 1 - Mic Master Volume
- 2 - Music Master Volume
- 3 - Mic Inputs
- 4 - Mic Gain
- 5 - LCD Screen
- 6 - Navigation Button / Key Control
- 7 - Echo / Effect Menu
- 8 - Delay Field
- 9 - Select Input
- 10 - Preset Select
- 11 - Lock Function
- 12 - Surround Out Menu
- 13 - Center Out Menu
- 14 - Sub Out Menu
- 15 - On / Off Button

# KA-300



- 1 - Mic Inputs
- 2 - Remote Control Input
- 3 - Music Inputs
- 4 - Subwoofer Output
- 5 - Center Output
- 6 - Rec / Surround Outputs
- 7 - Speakers Outputs
- 8 - Cooling Fan
- 9 - USB Connector

## TECHNICAL SPECIFICATION

Output Power	: 300W × 2 (8Ω)
Frequency Range (R / L / CEN)	: 10Hz-30KHz
SNR (Flat Position)	: ≥90dB (A weighted)
Channel Separation	: ≥45dB (1KHz)
Microphone Input Sensitivity	: ≤15mV
Microphone Input Impedance	: 600Ω
Power Requirements	: 240VAC ± 10% 50Hz
Power Consumptions	: 1000W
Dimensions	: 420 × 120 × 418 mm (W × H × D)
Weight	: 14.55 kg

# KA-300 PRESET SETTINGS

<b>DSP PRESET</b>	<b>APPLICATION</b>
DSP 01	Long Throw + Wired Mic (KMU-100)
DSP 02	Short Throw + Wired Mic (KMU-100)
DSP 03	Long Throw + Wireless Mic (PRO-UD2)
DSP 04	Short Throw + Wireless Mic (PRO-UD2)
DSP 05	Long Throw + Wired Mic (KMU-100) + Wireless Mic (PRO-UD2)
DSP 06	Short Throw + Wired Mic (KMU-100) + Wireless Mic (PRO-UD2)
DSP 07	Long Throw + FLAT Mic
DSP 08	Short Throw + FLAT Mic
DSP 09	Empty
DSP 10	Empty
DSP 11	Empty
DSP 12	Empty
DSP 13	Empty
DSP 14	Empty
DSP 15	Empty

# KS-4310

The karaoke speaker include the following features

- 225 W Program Power Speaker
- Crystal Clear Vocal
- Dynamic and Punchy Bass

## TECHNICAL SPECIFICATION

Description : 3 Way 10" Karaoke Speaker

Hi Freq Transducer : 3" Loudspeaker

Low Freq Transducer : 10" Loudspeaker

Frequency Response : 42 - 18 kHz

Sensitivity : 92 dB

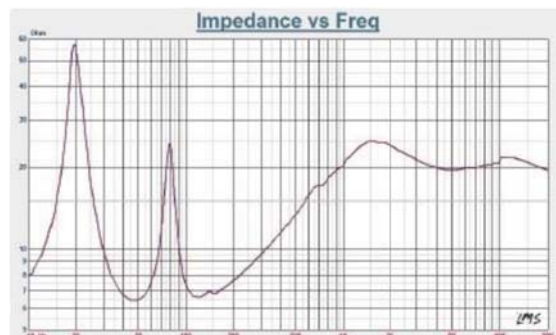
Impedance : 6 ohm

Max Power : 450W

Program Power : 225W

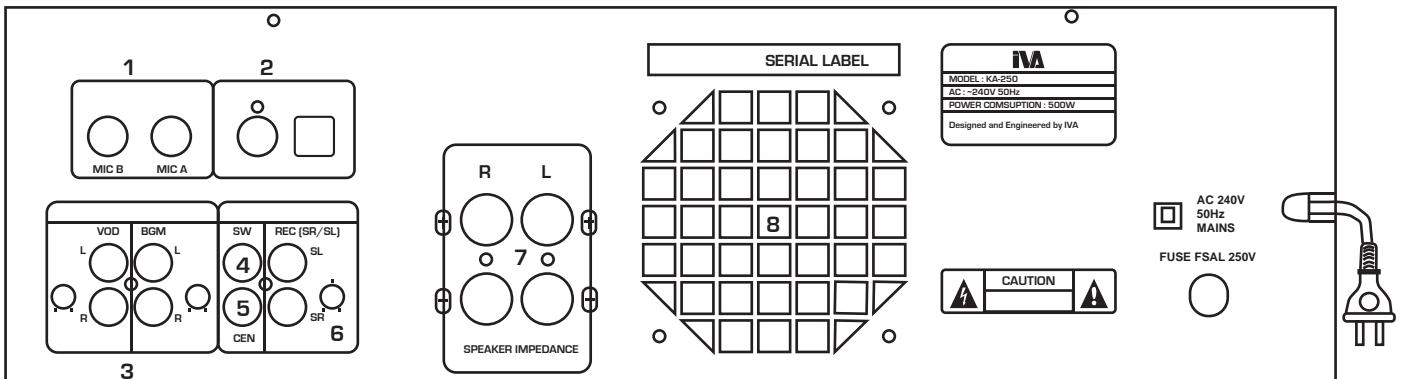
Dimensions : 483 × 302 × 310 mm (W × H × D)

Weight : 11 kg per piece





# Installation



## CABLE CONNECTION



Remove the PVC of the Cable.



Unscrew the speaker output connector at the amplifier.

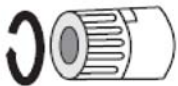


Insert the cable into the speaker output connector.

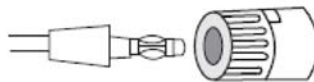


Screw the speaker output connector at the amplifier.

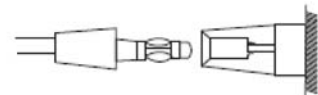
## BANANA JACK CONNECTION



Tighten the speaker output connector at the amplifier.



Insert the banana jack into the speaker output connector.



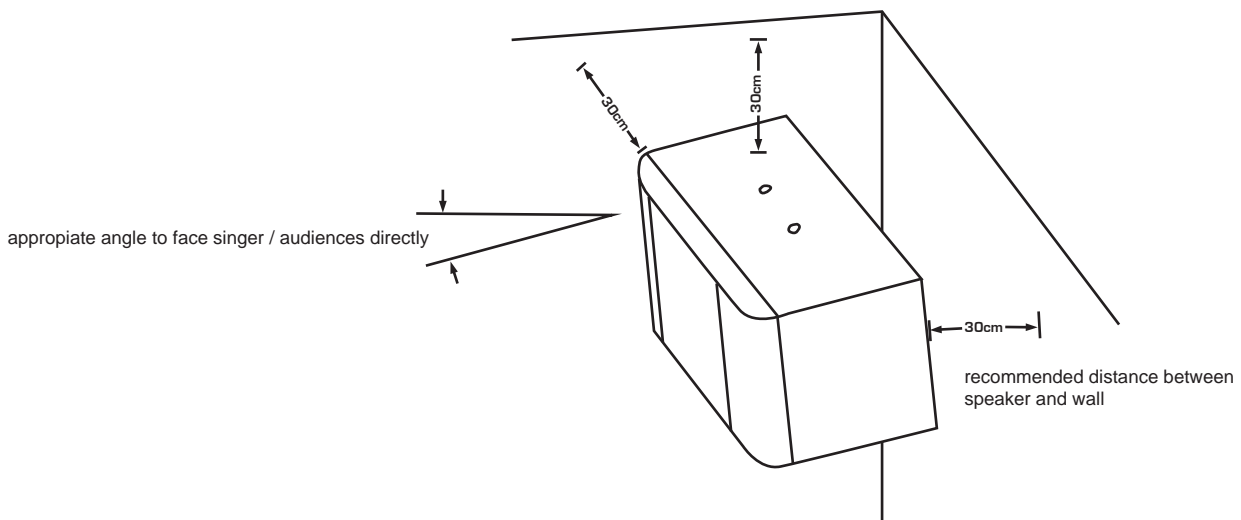
Tighten the speaker output connector at the amplifier.

# Installation

## SPEAKER INSTALLATION

for installation at the site, please take note the following:

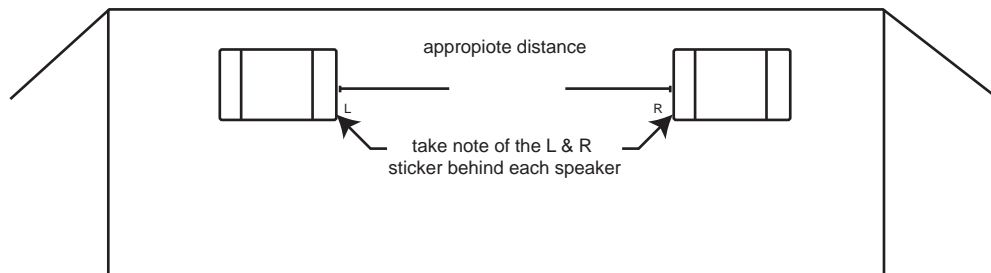
1. Speaker position must be at least 30cm from the wall, if the speakers install too near the wall, it will cause excessive wave vibration, degrade the sound quality.
2. Angle of the speaker installation is according to the venue. To improve the sound quality, user must able to experience his / her own voice. Please ensure the microphone and the speaker not too near to avoid frequency feedback.
3. Installation speaker to the bracket must be tight to ensure long term usage will not have problem.



# Installation

## SPEAKER INSTALLATION POSITION

1. The R / L Speakers distance between each other must be separated in appropriate distance according to the venue, if the venue is wide, it is not recommended to install each speaker at the far corner.
2. Make sure L speaker install at the left side and R speaker install at the right side.





[www.IVA.COM.MY](http://www.IVA.COM.MY)

**AV Electronics Marketing Sdn. Bhd.**

Lot 21, Jalan 51A/223,  
46100 Petaling Jaya,  
Selangor, Malaysia.

Tel : 603-7960 6080

Fax : 603-7960 6077

Website : [www.iva.com.my](http://www.iva.com.my)