

## KA-2USB

### Karaoke Amplifier

Order ref: 103.103UK

User Manual



- 2 x 50W max power output
- Integral USB/SD player
- IR remote control for USB/SD
- 2-band tone EQ controls and MASTER volume control
- 2 microphone inputs with echo effect
- 2 stereo LINE inputs via RCA connectors

VERSION 1.0

## **INTRODUCTION:**

### **KA-2USB karaoke amplifier**

Thank you for choosing the KA-2USB karaoke amplifier with USB/SD player.

This versatile stereo amplifier has three selectable inputs (Tuner, DVD, USB/SD) and two microphone inputs with individual volume controls and echo control.

The master output has a two-band EQ allowing adjustment of bass and treble frequencies, there is also a master balance and volume control.

## **PACKAGE CONTENTS:**

Please check the contents to ensure that the product has been received in good condition.

- KA-2USB karaoke amplifier
- IR remote control
- IEC mains lead
- User manual

## **Safety**

To prevent the risk of fire or electric shock, do not expose this appliance to rain or moisture.

To prevent electric shock, do not remove the cover. No user serviceable parts inside.

Refer servicing to qualified service personnel.

If any foreign objects or moisture get inside the case, unplug the power cord and have a qualified service personnel for checking.

Ensure that impedance of attached speakers for each output channel is no lower than 4 Ohms (Note: 8 Ohms + 8 Ohms wired in parallel = 4 Ohms)

If this product will be unused for a long period of time, unplug the power cord from the outlet.

## **Placement**

To avoid overheating place in a well ventilated area and do not block the ventilation holes.

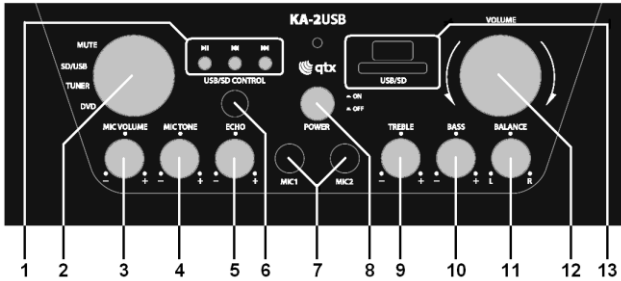
Do not place the amplifier in direct sunlight or near a heat source and keep free from dust and vibrations. •Place the unit in a horizontal position. Do not place anything heavy on the set

## **Cleaning**

Use a soft cloth with a neutral detergent to clean the cover, panel and controls.

Never use solvents to clean the unit

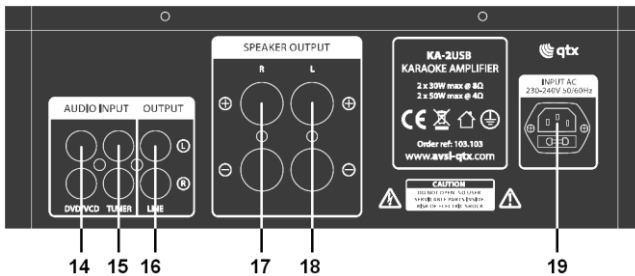
## FRONT PANEL



1. USB/SD player transport controls
2. Input selector rotary switch
3. Microphones – volume control
4. Microphones – tone control
5. Microphones – echo control
6. I.R. remote receiver
7. Microphone inputs (6.3mm jack)

8. Power on/off button
9. Treble EQ control
10. Bass EQ control
11. Balance control for Mic1 / Mic2
12. Master volume control
13. USB & SD ports

## REAR PANEL



14. DVD/CD line input (RCA L+R)
15. Tuner line input (RCA L+R)
16. Line output (RCA L+R)

17. Right speaker output
18. Left speaker output
19. IEC mains inlet + fuse

### CONNECT WITH POWER SUPPLY – EARTH WIRE MUST BE CONNECTED:

Use the supplied IEC lead to connect to the main power supply as follows:

LIVE (L) - brown wire

NEUTRAL (N) - blue wire

EARTH (⏏) - yellow/green wire

## CONNECTION

Connect microphone(s) via the front 6.3mm jack inputs and any line inputs to the rear RCA inputs for DVD/CD or TUNER. If the mixed signal is to be delivered on to further amplifiers or recording devices, connect to these from the LINE OUTPUT RCA connectors.

Connect speakers to the rear speaker outputs observing correct polarity and impedance.

Connect mains using the supplied IEC lead to a suitable outlet.

Insert USB storage device and/or SD card with compressed digital audio to the relevant port

## OPERATION

Ensure that TREBLE, BASS and BALANCE to the 12 o'clock position.

With MASTER and MIC volume controls turned down, switch on the power to the amplifier.

Gradually turn up the master volume control part way

For line inputs, select the relevant source on the input selector (top position is mute)

If "SD/USB" is selected, the internal audio player can be operated from the front panel...

Button	Function
▶	Toggles between PLAY and PAUSE
I ◀ ◀	Selects previous track
▶ ▶ I	Selects next track

These functions are also available on the infra-red remote control keypad along with some further functions (see REMOTE CONTROL below)

Adjust MASTER VOLUME up to the required level

Adjust BASS and TREBLE EQ controls for the overall tone of the output.

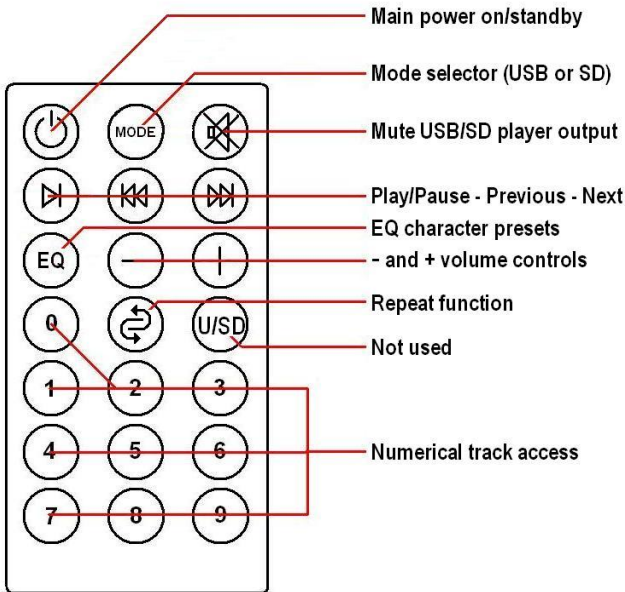
Check microphone(s) whilst gradually turning up MIC VOLUME to check the input signal

Turn MASTER VOLUME up to the level required

For singers, an ECHO control introduces the amount of echo effect applied to the microphones

The BALANCE control adjusts the volume difference between the 2 microphone inputs

## REMOTE CONTROL



## SPECIFICATIONS

Power supply	240Vac 50Hz (IEC)
Line inputs	2 x RCA L+R line + internal USB/SD player
Input sensitivity : Line	500mV
Internal audio player	USB/SD player (compressed digital audio)
Microphone inputs (unbalanced)	2 x 6.3mm jack
Input sensitivity : Mic	2mV
Speaker outputs	2 x terminals + and -
Minimum impedance	4 ohms (each output)
Output power @ 4 ohms	2 x 25W rms / 2 x 50W max
Output power @ 8 ohms	2 x 15W rms / 2 x 30W max
Dimensions	95 x 250 x 240mm
Weight	1.45kg

## TROUBLESHOOTING

No power LED on control panel	Ensure IEC lead is in good condition and connected properly
	Ensure mains outlet voltage is correct and power switch is on
	Check mains inlet fuse – replace with approved type if necessary
Power LED is on but no output	Check input signals and condition of input connection leads
	Check MASTER, MIC volume controls are not turned fully down
	Check input selector is not set to "MUTE"
USB player will not play audio from media	Check speakers and leads are OK and connected properly
	Press PLAY on transport controls
	Check USB or SD is connected properly (remove and re-insert)
Output is very loud or distorted	Check file types – standard compressed digital audio files required
	Check memory device works on a PC or Mac for playback
	Check level of input signal is not too high
Output is working but at very low level	Reduce channel volume and EQ settings
	Reduce MASTER level until LIMIT light stops flashing
	Ensure Hi-Z line level input(s) not connected via MIC1 or MIC2
Feedback (loud squealing or howling from mics)	Check input audio source level is not too low
	Increase channel volume and EQ settings if turned down
	Increase MASTER level
Amplifier is getting very hot	Check for quiet recording of media files on USB
	Face microphone away from speakers and monitors
	Reduce channel volume and EQ settings
	Reduce MASTER level
	Make sure fans are working properly and not obstructed
	Ensure cooling vents are clear from debris and dust
	Ensure that total load across speaker outputs is not less than 4Ω

## DISPOSAL:



Please dispose of the unserviceable device according to the current statutory requirement

*Errors and omissions excepted.  
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