INSTRUCTION MANUAL

Kam KSD2

Twin SD card / USB stick mixer

www.kam.co.uk

Kam KSD2 Twin SD card / USB stick mixer

To reduce the risk of electric shock, always remove the mains power cable before carrying out any servicing or maintenance. Do not remove any covers. There are no serviceable parts inside. Please refer all servicing to qualified service personnel.

The lighting flash symbol on the rear of the unit is intended to alert the user to the presence of an un insulated dangerous voltage within the product enclosure that may be of sufficient magnitude to constitute a risk of electric shock. The exclamation point is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

WARNING:
To reduce the risk of fire or electrical shock, do not expose this appliance to rain or moisture. This unit is for indoor use only. Electrical equipment should NEVER be kept or stored in damp environments.

This product is not compatible with HCSD cards or MP3 display sticks. **Two SD cards or USB inputs are required for mixing tracks. This unit requires one SD card / USB stick input per side.**

KAM KSD2 UNIT FEATURES

1. POWER SWITCH
Press the power switch to turn the unit on. To switch the power off press the switch again.

2. MAINS POWER LEAD
Use this cable to connect the AC mains power to the unit 220/240V.

3. GROUND TERMINAL CONNECTOR
Connect the GND terminal to the turntable ground.

4. FUSE
Under normal operation the fuses should not blow. A blown fuse usually indicates an overload or fault condition. To change the fuse, remove the fuse by unscrewing the fuse holder cap using a small flathead screwdriver. Refer to the specification for fuse current ratings. ALWAYS REPLACE THE FUSE WITH THE CORRECT VALUE FOR THIS UNIT.

5. INPUT
Plug in a line level or phono level device such as turntable or additional CD player here. Ensure that the correct line level is selected using the line level switch.

6. LINE/PHONO INPUT LEVEL SWITCH
Use this swich to allow either line level or phono level equipment to be plugged into your channel inputs. If a turntable is used, the switch must be switched to Phono. When using CD players and other line level units, the swich must be in the the Line position. Failure to do this may cause damage to your unit.

7. STEREO MAIN OUTPUT AND RECORD OUTPUTS
The unbalanced AMP RCA connectors are controlled by the master fader, these should be connected to your amplifier. The REC RCA connectors are to connect a recording device such as tape player etc.

8. HEADPHONE JACK
Use this to connect headphones for audio monitoring.

9. CUE LEVEL CONTROL
This adjusts CUE (headphone) level output.

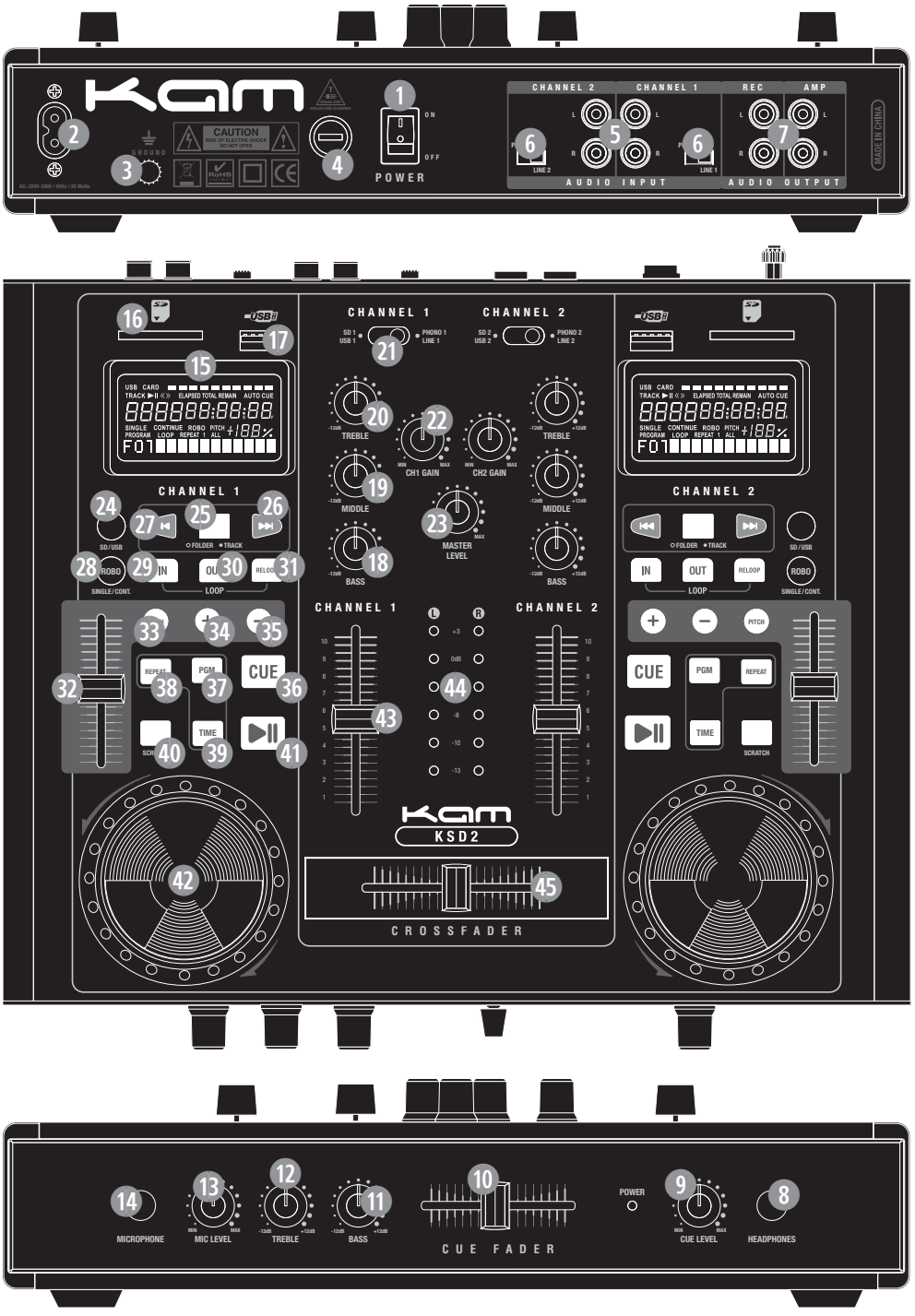
10. CUE CROSSFADER
This is used for monitoring between the two input channels. For the headphones output, hard left selects channel one, hard right selects channel two.

11. MICROPHONE BASS CONTROL
Adjusts microphone bass equalization.

12. MICROPHONE TREBLE CONTROL
Adjusts microphone treble equalization.

13. MICROPHONE LEVEL
Adjusts microphone volume level.

14. MICROPHONE INPUT JACK
Plug in a microphone equiped with a 1/4 inch microphone jack plug or adaptor.



15. DISPLAY

A. SD CARD/USB INDICATOR

B. TRACK NUMBER

This displays the position, number of track of the USB or SD CARD, which is playing.

C. OPERATING MODE

These indicate the operating mode of the USB or SD CARD player.
The USB or SD CARD player is playing the USB or SD CARD.
The playback is paused.

D. TIME MODE INDICATORS

ELAPSED: Played time of the selected track.
TOTAL REMAINING: Total remaining play time of the USB or SD CARD.
REMAINING: Remaining play time of the selected track.

E. MINUTE, SECOND AND FRAME DISPLAYS

These displays shows the current time, the value changes depends on the time mode selected.

F. TIME BAR INDICATOR

This is a graphical representation of the minute, second and frame displays (C).

G. CUE INDICATOR

This indicates a new cue is set.

H. FOLDER DISPLAY

I. PROGRAM INDICATOR

This indicates the player is in program mode

J. PLAY MODE INDICATORS

SINGLE: The USB or SD CARD player is in single mode.
CONTINUE: The USB or SD CARD player is in continue mode.
ROBO: The USB or SD CARD player is in relay mode.

K. LOOP INDICATOR

This indicates the USB or SD CARD player is currently playing in a preset loop.

L . REPEAT INDICATOR

REPEAT 1: The USB or SD CARD player is playing the selected track repeatedly.
REPEAT ALL: The USB or SD CARD player is playing the entire USB or SD CARD repeatedly.

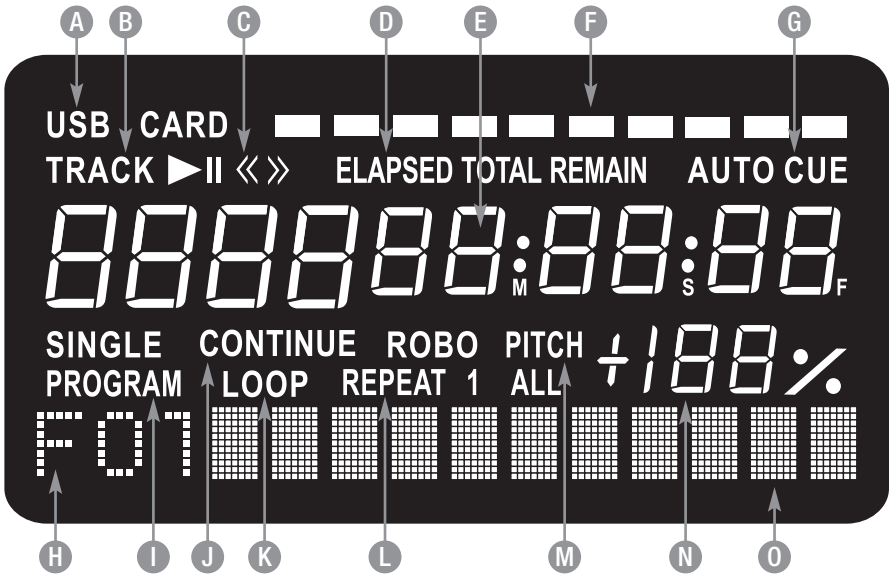
M. PITCH INDICATOR

When "PITCH" is displayed, the pitch slider is functioning

N. PITCH DISPLAY

This indicates the playback speed (pitch), from -16% to +16%.

O. iD3 COMMUNICATION DISPLAY



Close up detail of Kam KSD2 display

16. SD PORT
Insert a SD card.

17. USB PORT
Insert a USB memory stick.

18. BASS EQ
This adjusts the bass frequency level of the output signal (left hand set of controls for channel 1 / right hand side controls for channel 2).

19. MIDDLE EQ
This adjusts the mid frequency level of the output signal (left hand set of controls for channel 1 / right hand side controls for channel 2).

20. TREBLE EQ
This adjusts the high frequency level of the output signal (left hand set of controls for channel 1 / right hand side controls for channel 2).

21. INPUT TOGGLE SWITCH
Selects which source will be live to that channel based on what you have connected to the rear panel input section. In left position SD/USB in right position LINE/PHONO are active.

22. GAIN CONTROL
The left gain control adjusts the gain level of channel 1,the right gain control adjusts the gain level of channel 2.

23. MASTER LEVEL
Adjusts the main master level output.

24. SD/USB BUTTON
Press once: to read from the SD card
Press again: to read from the USB
Press and hold, display P-OFF and will shut off the power for SD card/USB.
Pressing the button again, will start up the SD/USB.

25. FOLDER/TRACK
Press the folder / track button.
When the button is illuminated the unit is in FOLDER mode, by using the << or >> buttons, you can choose the folder you wish to access on your memory device.
Press the folder / track button illumination goes out the unit is in TRACK mode press the <<or >> buttons, to skip through and select tracks.

26. >>
In FOLDER mode >> searches forward through the saved folders on your memory device.

27. <<
In FOLDER mode << searches backwards through the saved folders on your memory device.
In TRACK mode, >> searches forward through the saved tracks on your memory device.
In TRACK mode, << searches backwards through the saved tracks on your memory device.

28. CONT / SINGLE / ROBO BUTTON
In single ROBO mode, pressing the left hand side play/pause button will start the playback of side A if the cross fader is set in the centre position and both line faders are set at the required level, the unit will play the track on side A and when finished will automatically start playback on side B this acts as a relay play (ideal for constant play background music).

In continue ROBO mode, pressing the left hand side play/pause button will start the playback of side A if the cross

fader is set in the centre position and both line faders are set at the required level, the unit will play all the tracks on side A and when finished will automatically start playback on side B this acts as a relay play (ideal for constant play background music).

29. IN BUTTON (LOOP SYSTEM)
This button sets the beginning of the loop. The Loop indicator on the display flashes.

30. OUT BUTTON (LOOP SYSTEM)
When you press this button, you set the end point of the seamless loop and you start the loop. To finish the loop, press this button again.

31. RELOOP BUTTON (LOOP SYSTEM)
This button is used to restart the last saved loop.

32. PITCH CONTROL
Use this fader to increase or decrease the speed of the track.

33. PITCH BUTTON
Push this button, to activate the pitch adjustment of slider

34. PITCH BEND + BUTTON
The pitch will automatically increase when the + button is pressed and return to the original pitch When it is released.

35. PITCH BEND - BUTTON
The pitch will decrease while the - button is pressed and return to the original pitch when it is released.

36. CUE BUTTON
In pause mode use the search button to search the position you want.
Now press play button.
Press CUE button will go back to where you started.

37. PGM BUTTON
In STOP mode, you can program several tracks (20 tracks max)
Press the PAUSE button to enter in the stop mode.
Press the PGM button to enter in the program mode.
Use the skip track buttons to choose the track you want, then press the PGM button to enter your choice.
Press once again the skip track buttons to choose the track you want to listen then press the PGM button to enter your choice.
Repeat the operation to select the entire tracks you want to listen to.
Press the PLAY / PAUSE button to start the playback of the programmed tracks.

38. REPEAT BUTTON
Use this button to repeat one track or all the tracks of the USB or SD CARD.

39. TIME BUTTON
Use this knob to choose the time mode: Elapsed time, remaining time or total remaining time.

40. SCRATCH BUTTON
When the indicator LED is illuminated, use the jog wheel for SCRATCH function.

41. PLAY / PAUSE BUTTON
Each time you press the PLAY / PAUSE button, the operation changes from play to pause or from pause to play.

Pressing ROBO button activates the SINGLE function, The SINGLE function causes the unit to play one song and then stop.

On unit 1, pressing ROBO button activates the SINGLE function;
On unit 2, keeping the CONTINUOUS function.
When the SINGLE function causes the unit 1 to play one song and then stop and the CONTINUOUS function causing the unit 2 to play continuously.

When the unit 1 and unit 2 keep the CONTINUOUS function, when the one unit play the CD to the end and the other unit play continously.

Pressing the ROBO button a second time activates the ROBO function, starting function causing the unit to altermate play between two CDs using both sides.

42. JOG & SHUTTLE WHEELS
Shuttle: Use the dial to select the scanning direction and speed. The disc is scanned in the forward direction when the shuttle dial is turned clockwise from the neutral position, in the reverse direction when the shuttle dial is turned counterclockwise. The scanning speeds up when the shuttle dial is turned faster.

Jog: In pause mode, if you turn the jog wheel, the point at which the sound is being produced moves by a number of frames corresponding to the number of clicks. Clockwise moves the point forward; counterclockwise moves the point backward. In play mode, the jog increases or decreases the speed of the song. (clockwise : increase, counterclockwise : decrease).

43. INPUT FADER
Controls individual source levels.

44. LED METER
Indicates the master output level.

45. REPLACEABLE CROSSFADER
Controls the output signal between the two input channels. Hard left selects channel 1. Hard right selects channel 2. With the crossfader centered, both assigned channels are live. Use the crossfader for fast and seamless cuts from one selected channel to the other.

SPECIFICATIONS

MP3 decoding	**Support 16/22.05/24/32/44.1/48kHz sampling frequencies**
Bit rate	**32kbps to 320kbps**
Display modes	**Time / Track Elapsed / Track Remain**
Pitch	**Variable +/-16% slider with resume switch**
Pitch bend	**+/-16% maximum**
Bass (channels 1-2)	**+/-12dB**
Middle (Channel 1-2)	**+/-12dB**
Treble (Channel 1-2)	**+/-12dB**
Gain (Channel 1-2)	**0 to -20dB**
Headphone impedance	**32 Ohm**
Frequency response	**20Hz-20kHz +/-2dB**
Distortion	**Less than 0.02%**
S/N ratio	**Better than 80dB**
Channel separation	**85dB(1kHz)**
Output level	**2.0 +/-0.2V R.M.S.**
Power supply	**AC-220~240V 50Hz**
Dimensions	**325 x 260 x 82mm**
Weight	**4.0kg**

www.kam.co.uk

Due to continuous product development, specifications and appearance are subject to change.
If this product is ever no longer functional please it take to a recycling plant for environmentally friendly disposal.