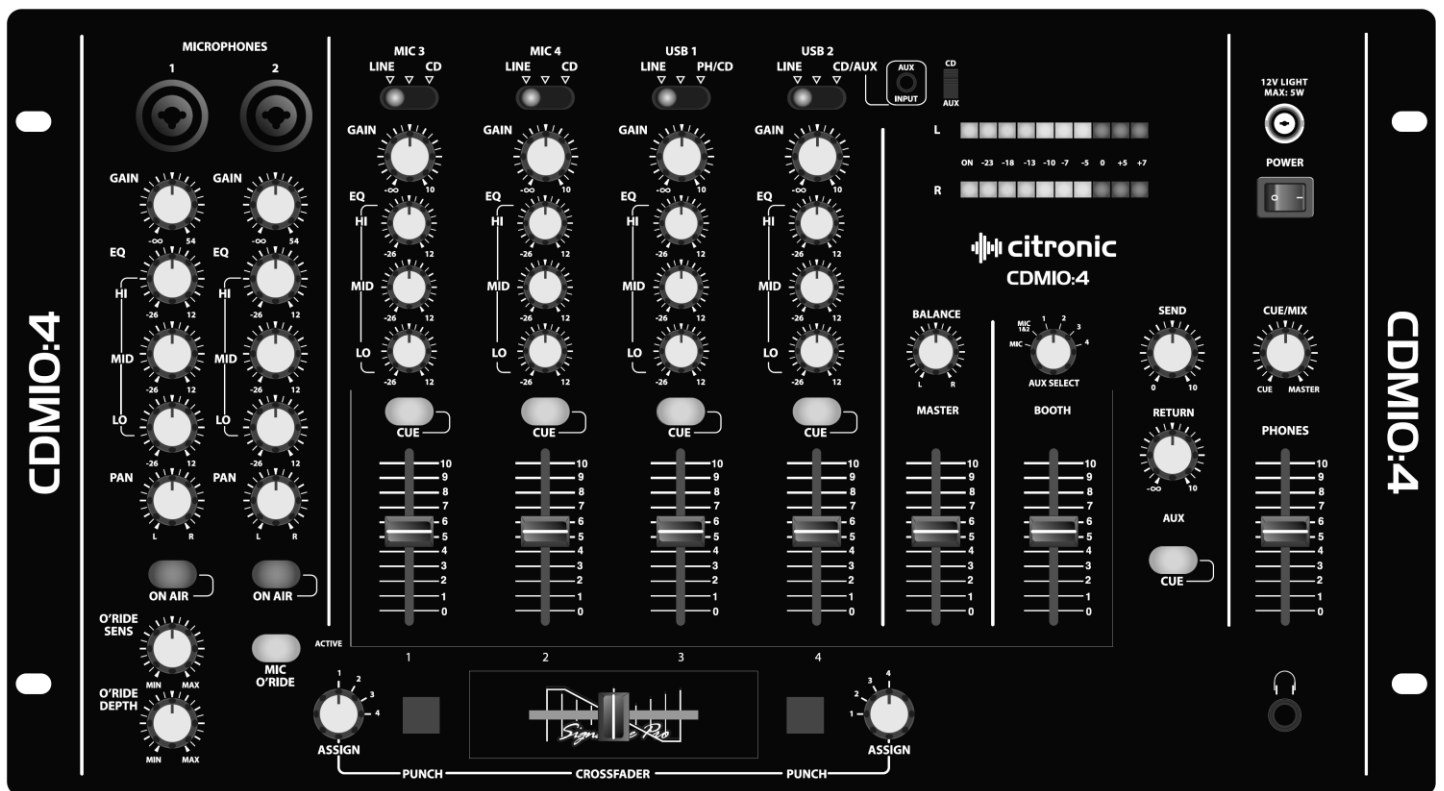


# CDM10:4

19" 4 Channel USB Mixer

Item ref: 171.135UK

User Manual



Version 1.2



Caution: Please read this manual carefully before operating  
Damage caused by misuse is not covered by the warranty

## **Introduction**

Thank you for purchasing the Citronic CDM10:4 USB Rackmount DJ Mixer. This product is intended to give long term, reliable service in normal usage. Please read these instructions before use to avoid incorrect operation and to help outline the functions and controls.

## **Maintenance**

No user serviceable parts inside, refer all servicing issues to qualified service personnel. Clean with a lint-free dry or damp cloth.

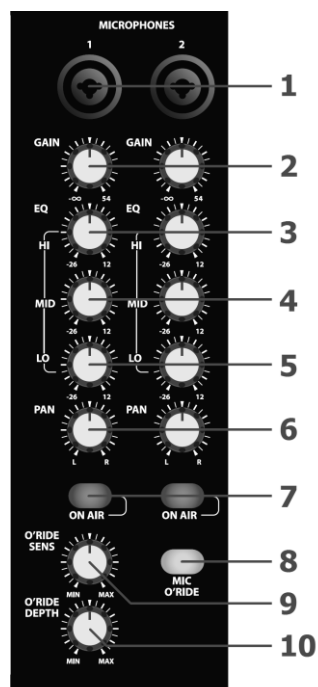
To replace cross-fader, disconnect mains and undo the 2 securing screws slightly, lift the cross-fader and disconnect from the in-line connector (noting the correct orientation). Connect the new cross-fader, reposition and secure with the 2 screws. Channel, Master and Booth faders may be serviced or replaced by removing the plate that they are fitted to.

## **Packing Contents**

- IEC Mains cable
- CDM8:4 USB 19" DJ Mixer
- Instruction Manual

# Layout

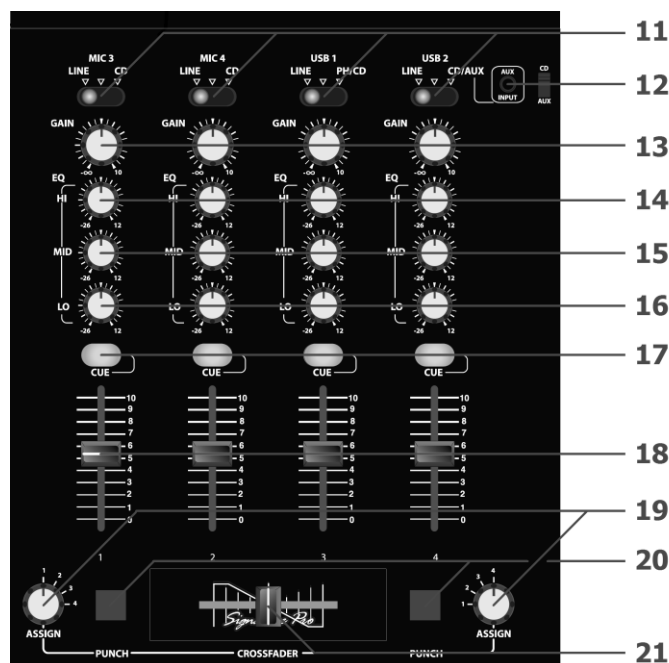
## Microphone Section



1. Combo inputs
2. GAIN controls
3. HI controls
4. MID controls
5. LO controls
6. PAN controls
7. ON AIR button
8. MIC O'RIDE button
9. O'RIDE SENS control
10. O'RIDE DEPTH control

- Inputs for microphone on jack or XLR
- Mic input sensitivity adjustment
- Mic EQ high frequency adjustment
- Mic EQ mid frequency adjustment
- Mic EQ low frequency adjustment
- Mic left/right stereo positioning
- Press in to activate mic channel
- Select mics to override audio playback
- Adjust override sensitivity to mic input
- Adjust audio playback reduction amount

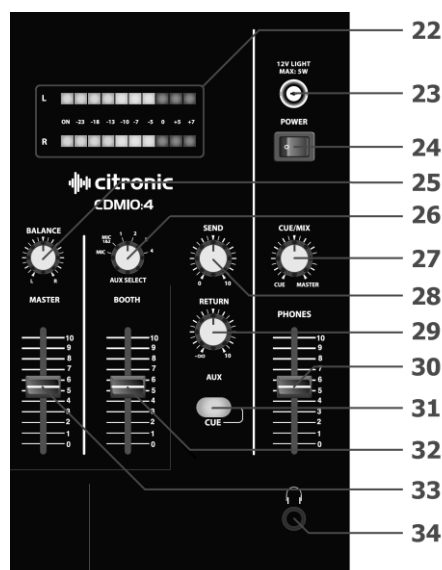
## Stereo Section:



11. Input selector
12. AUX input
13. GAIN controls
14. HI controls
15. MID controls
16. LO controls
17. CUE buttons
18. Channel faders
19. ASSIGN rotary
20. PUNCH buttons
21. CROSSFADER

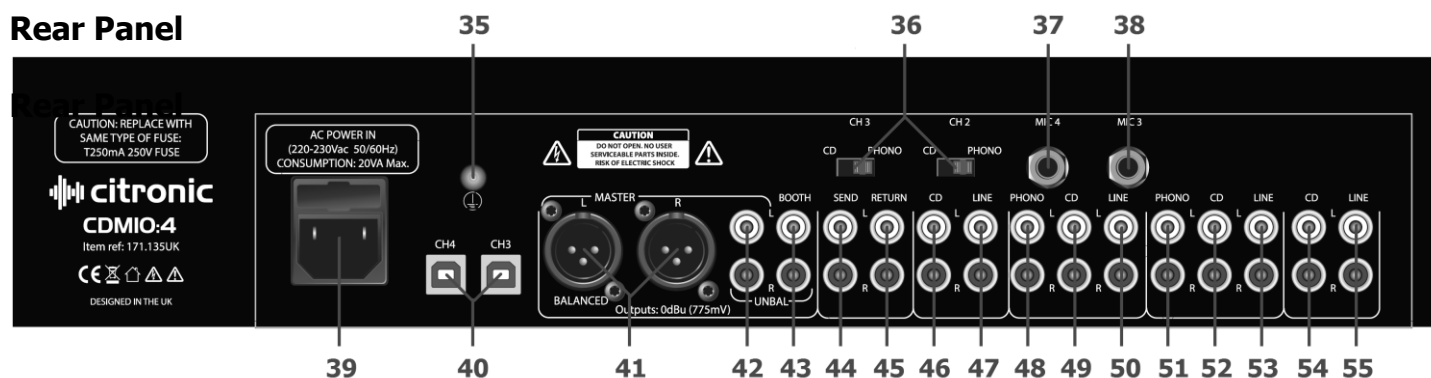
- Select between rear inputs
- 3.5mm input & select switch
- input sensitivity adjustment
- EQ high freq. adjustment
- EQ mid freq. adjustment
- EQ low freq. adjustment
- Select channel to monitor
- Channel level to master
- Crossfader channel select
- Momentary crossfade defeat
- Mix between 2 channels

## Master Section



- |                    |                                     |
|--------------------|-------------------------------------|
| 22. VU meters      | 2 x 10-segment LED level meters     |
| 23. 12V LIGHT      | 12Vdc output for light (BNC)        |
| 24. POWER          | Main power on/off switch            |
| 25. BALANCE        | Balance between Left + Right output |
| 26. AUX select     | Select channel to SEND output       |
| 27. CUE/MIX        | Monitor fade between cued & master  |
| 28. SEND           | Output level to SEND output         |
| 29. RETURN         | Loop return for send outputs        |
| 30. PHONES fader   | Level fader for headphones output   |
| 31. CUE button     | Select SEND to monitoring           |
| 32. BOOTH fader    | Level control for BOOTH output      |
| 33. MASTER fader   | Level control for MASTER outputs    |
| 34. Headphones out | 6.3mm stereo jack for headphones    |

## Rear Panel



- |                       |                                                             |
|-----------------------|-------------------------------------------------------------|
| 35. Ground screw      | Grounding point for turntables                              |
| 36. CD/PHONO switches | Switch between CD and Phono level for CH.2 & 3 PHONO inputs |
| 37. MIC 4 input       | 6.3mm jack microphone input for CH.4                        |
| 38. MIC 3 input       | 6.3mm jack microphone input for CH.3                        |
| 39. Mains inlet       | IEC mains connection and fuse holder                        |
| 40. CH.4 & CH.3 USB   | USB type B connectors to PC/Mac                             |
| 41. BALANCED outputs  | Balanced Left & Right XLR master outputs                    |
| 42. UNBAL outputs     | Unbalanced Left & Right RCA master outputs                  |
| 43. BOOTH outputs     | Unbalanced Left & Right RCA booth outputs                   |
| 44. SEND outputs      | Aux loop send outputs (L+R RCA)                             |
| 45. RETURN inputs     | Aux loop return inputs (L+R RCA)                            |
| 46. CD input CH.4     | CD input for CH.4 (L+R RCA)                                 |
| 47. LINE input CH.4   | Line input for CH.4 (L+R RCA)                               |
| 48. PHONO input CH.3  | PHONO or CD input for CH.3 (L+R RCA)                        |
| 49. CD input CH.3     | CD input for CH.3 (L+R RCA)                                 |
| 50. LINE input CH.3   | Line input for CH.3 (L+R RCA)                               |
| 51. PHONO input CH.2  | PHONO or CD input for CH.2 (L+R RCA)                        |
| 52. CD input CH.2     | CD input for CH.2 (L+R RCA)                                 |
| 53. LINE input CH.2   | Line input for CH.2 (L+R RCA)                               |
| 54. CD input CH.1     | CD input for CH.1 (L+R RCA)                                 |
| 55. LINE input CH.1   | Line input for CH.1 (L+R RCA)                               |

## Setting up

The following pages give a full description of the connectors and their purpose. You should study this carefully before you power up the mixer to ensure you get the best performance from the CDM10:4.

### Cables & Connectors

Always use good quality cables and connectors. Over 75% of all problems with DJ systems are simple connector issues. Don't get caught out.

### Switching on your system

Always turn on your mixer and input devices before you turn on the amplifier. The CDM10:4 has been designed not to harm your amplifiers or speakers if you turn them on first, but this may not be true of the inputs plugged into the mixer. Play Safe and always turn your amplifiers on last.

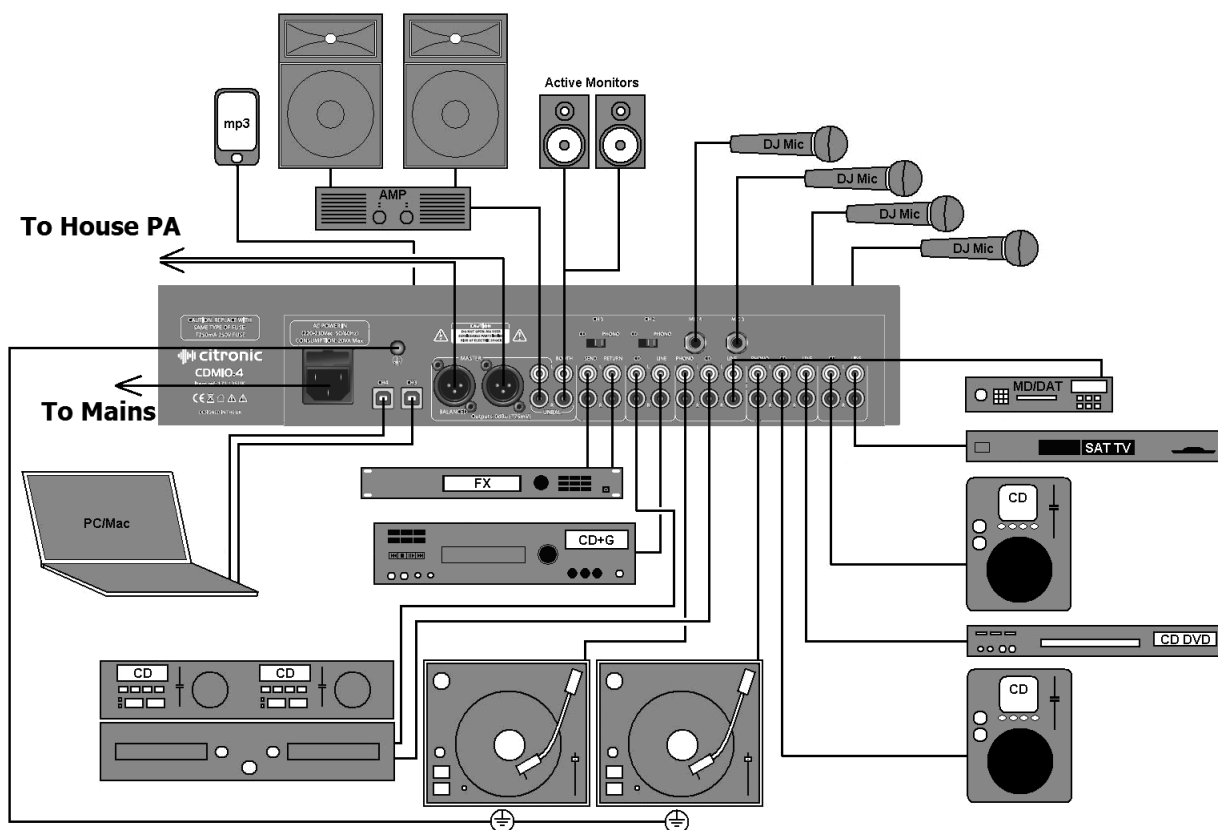
### Power Supply

The power supply for the CDM 10:4 is built into the mixer and is supplied with a BS approved IEC mains plug specifically for use in the UK. If it does not match the power socket you wish to use check with your dealer before you plug it in. It is possible you could damage your mixer if it is not the correct version.

### Crossfader

This is commonly the most used feature on your mixer. Even though a great deal of care has been taken in the choice of components for this function, it is the most likely thing to wear out first on your mixer. So we've made it quick and easy to replace.

## Connection Guide



## Operation

- Check mains for correct voltage as indicated near to the IEC mains inlet on the rear panel
- Connect to mains supply using the IEC cable provided
- Connect the Main unbalanced RCA and/or balanced XLR outputs to the main PA and ensure that the volume levels are turned down to avoid damage
- Connect the BOOTH outputs to powered booth monitors or separate PA zone
- Connect any turntables to the RCA PHONO inputs on CH.2 and CH.3
- For external audio processing or effects, assign the required channel using AUX ASSIGN and connect SEND to inputs of the processor and RETURN to outputs of the processor
- If the unit is to be rack-mounted, it is possible to unscrew the input connector section and rotate 180° for underside connection, taking care not to disconnect any internal wiring
- Earth turntables to the case grounding point on the rear panel
- Connect CD players or other line level audio sources to the CD inputs
- Connect CD, CD+G, laptop, TV decoder, DVD or MP3 players to LINE inputs
- Connect DJ mics to the top panel jack/XLR combo sockets and rear jack sockets if needed
- If required, connect personal MP3 player to top panel 3.5mm input
- Connect headphones to the HEADPHONE jack
- Connect rear panel USB connections to a PC or Mac for computer audio playback/recording
- With MASTER LEVEL down, switch the power on
- Ensure microphone levels are turned down
- Gradually increase MASTER LEVEL and channel levels to check input signals
- Ensure that the input selectors are moved to select the relevant input being played
- Be aware that the CROSSFADER operates across assigned channels – setting to centre position allows both channels through – moving to either side favours that channel
- Gradually increase microphone channel levels to check microphone signals.
- Monitor each stereo channel via headphones selecting using the CUE switches
- Whilst a channel is on CUE, adjust the GAIN so that LED meters show a full signal without showing “in the red” (overload)
- Adjust Hi, Mid and Lo EQ settings to the desired tonal effect for mics and audio sources
- When using DJ mics 1 and 2, push the ON AIR switch and if required, push MIC OVERRIDE to drop the music level whilst talking. Sensitivity and Depth of this function are adjustable.
- Playback from PC or Mac computer is available through 2 USB ports, which act as Plug & Play audio devices. Connecting these to the computer will work the same as connecting 2 external sound cards. Once automatic installation is complete, select these as playback hardware in the relevant software menu and select “USB” on the CDM10:4 channel selector for playback.
- The USB interfaces can also be selected as recording devices to record mixes from CDM10:4 (consult your software manual for further installation and setup details)
- When not being used, turn down the Vocal mic levels to avoid unwanted noise
- Turn down PA volume controls and CDM10:4 faders before switching off to avoid loud pops

## Specifications

Power supply	230Vac, 50Hz
Fuse rating	T250mA (240V) / T500mA (110V)
Cut-out	440 x 250mm
Equaliser: Bass	+12dB, -26dB @ 100Hz
Equaliser: Midrange	+12dB, -26dB @ 800Hz
Equaliser: Treble	+12dB, -26dB @ 9kHz
Headphone output	112mV @ 32 Ohms
Input: Line	195mV, 50k Ohms
Input: Mic	1.5mV, 2k Ohms
Input: Phono	4mV, 47k Ohms
Signal to noise ratio: Line	>87dB
Signal to noise ratio: Mic	68dB
Signal to noise ratio: Phono	73dB
Dimensions	483 x 266 x 80mm (6U)
Weight	5kg

## Troubleshooting

No output	Check mains power is on
	Check leads and connections
	Check MASTER LEVEL and mic or channel fader is turned up
	Check CROSSFADER by setting to centre
Distorted output	Check line input isn't connected to PHONO
	Check channel and MASTER faders are not too high
	Check volume control of amp, active speakers or recording equipment
Microphone feedback	Eliminate "line-of-sight" between mic(s) and speakers
	Adjust EQ and/or level controls
No microphone output	Check if mic is switched off
	Check if phantom power source is required
Low microphone output	Low output – ensure mic is not switched to "pad" or "Hi Z"
	Quiet vocals – ask singer to sing closer to mic.
Low audio output	Check turntable is not connected to line input and PHONO is selected
	Check channel and MASTER faders are not too low
	Check for volume control on sound source



**Disposal:** The "Crossed Wheelie Bin" symbol on the product means that the product is classed as Electrical or Electronic equipment and should not be disposed with other household or commercial waste at the end of its useful life. The goods must be disposed of according to your local council guidelines.

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