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CCYLEZ CCYLEZ2ig83eq9ug

CCYLEZ Q22 Digital Mixing USB Live Sound Card User Manual

Model: CCYLEZ2ig83eq9ug

1. PRODUCT OVERVIEW

The CCYLEZ Q22 Digital Mixing USB Live Sound Card is an external audio interface designed for high-quality audio recording and live broadcasting. It features a built-in high-speed digital processor, ensuring extremely low distortion and high-precision digital signal processing. With AD and DA converters offering resolutions up to 24-bit/192kHz, the Q22 delivers excellent recording quality, dynamic response, and rich low frequencies, making it suitable for professional and amateur audio production.

Key Features:

- **Built-in High-Speed Digital Processor:** Ensures low distortion and high-precision digital signal processing.
- **HiFi Clear Sound:** Features 24-bit/192kHz AD/DA converters for superior audio quality.
- **High-Speed USB Interface:** Provides seamless connection with PC, OS, and iOS devices.
- **Versatile Applications:** Ideal for music recording, network karaoke, vocal recording, and ASMR production.

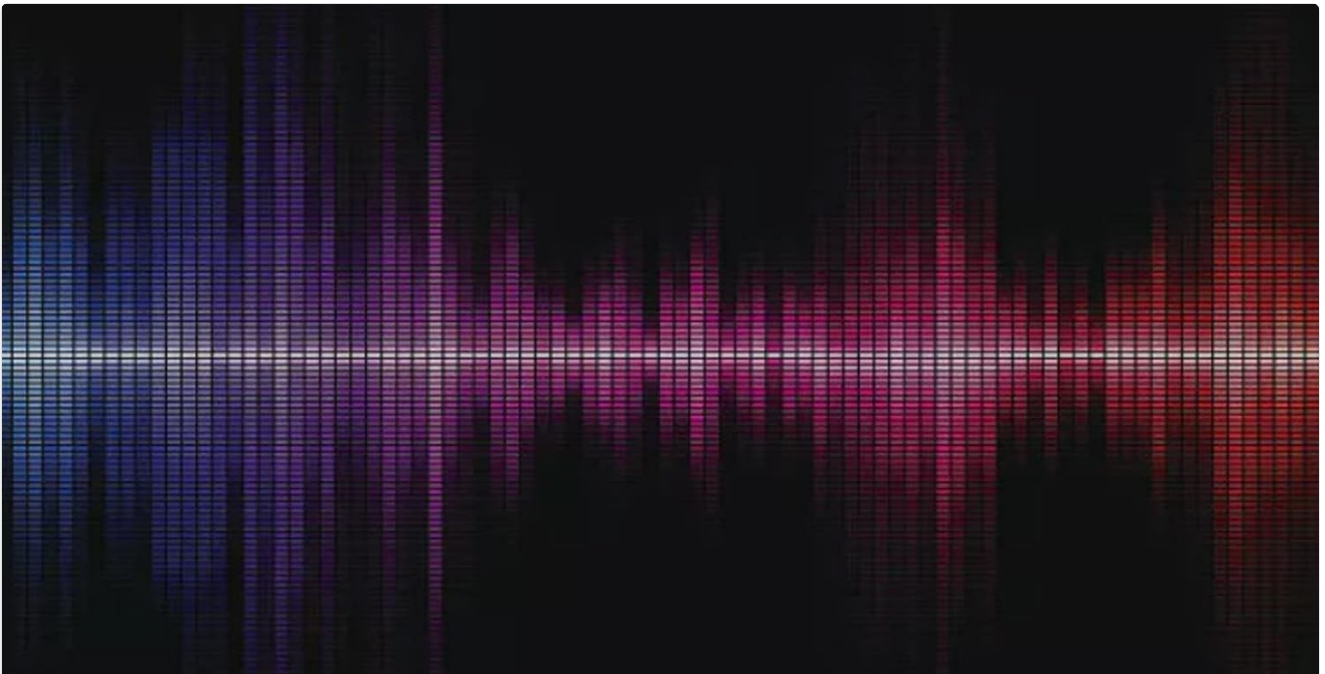


Figure 1.1: The Q22 Sound Card with a vibrant audio waveform, symbolizing its high-fidelity audio capabilities.

2. PACKAGE CONTENTS

Please verify that all items listed below are included in your package. If any items are missing or damaged, please contact customer support.

- 1 x CCYLEZ Q22 Live Sound Card
- 1 x User Manual (this document)
- 1 x Power Cord (USB cable)



Figure 2.1: The Q22 Sound Card and its included USB power cable.

3. SETUP GUIDE

Follow these steps to set up your Q22 Digital Mixing USB Live Sound Card.

3.1 Connecting to a Computer

1. Locate the USB port on the back of the Q22 Sound Card.
2. Connect one end of the provided USB cable to the Q22 Sound Card's USB port.
3. Connect the other end of the USB cable to an available USB port on your computer (PC or OS).



Figure 3.1: Rear panel connections, including the USB port for computer connection and DC5V IN for power.

3.2 Powering the Device

The Q22 Sound Card receives power via the USB connection from your computer. Ensure your computer's USB port provides sufficient power (DC5V IN). No external power adapter is typically required for basic operation.

3.3 Driver Installation

The Q22 Sound Card is designed for plug-and-play compatibility with most modern operating systems (Windows, macOS). In most cases, drivers will install automatically upon connecting the device. If automatic installation does not occur, please visit the official CCYLEZ website for driver downloads and installation instructions.

Live Streaming Sound Card

Built-in high-speed digital processor, Q-22 has extremely low distortion and high-precision digital signal processing



Figure 3.2: The Q22 Sound Card integrated into a typical computer workstation setup.

4. OPERATING INSTRUCTIONS

This section details the functions of the Q22 Sound Card's controls and how to use them for various audio tasks.

4.1 Input Connections (MIC/LINE & HI-Z)

- **INPUT 1 (MIC/LINE):** This balanced input supports both XLR microphones and 1/4-inch line-level instruments/devices.
- **HI-Z INPUT 2 (MIC/LINE):** This unbalanced input is optimized for direct connection of high-impedance instruments like electric guitars or basses, as well as microphones and line-level sources.

4.2 Gain Control

Each input (GAIN 1 and GAIN 2) has a dedicated knob to adjust the input level. Rotate clockwise to increase gain and counter-clockwise to decrease. The 'PEAK' indicator lights up when the input signal is too high, indicating potential clipping. Adjust the gain to ensure the 'PEAK' light only flashes occasionally during the loudest parts of your audio.

4.3 Monitoring with Headphones

Connect your headphones to the 'PHONES' jack. Use the 'PHONES' knob to adjust the headphone monitoring volume. This allows you to hear your input signals and playback from your computer without affecting the main output.

4.4 Main Output

The 'MAIN' knob controls the overall output volume of the sound card, typically connected to studio monitors or speakers. Adjust this knob to set the listening level for your audience or recording environment.

4.5 +48V Phantom Power

The '+48V POWER' switch provides phantom power to condenser microphones that require it. Ensure this switch is only turned ON when using condenser microphones. Turn it OFF when using dynamic microphones or line-level devices to prevent potential damage.



Figure 4.1: Detailed view of the Q22's front panel controls, including gain knobs, headphone volume, main output, and phantom power switch.



Figure 4.2: The Q22 Sound Card in use with a microphone, demonstrating a typical recording setup.

5. TECHNICAL SPECIFICATIONS

Detailed technical specifications for the CCYLEZ Q22 Digital Mixing USB Live Sound Card.

Feature	Specification
Model Number	CCYLEZ2ig83eq9ug
MIC INPUT 1/2 (Balanced)	Frequency Response: 1/1dB, 20Hz-20kHz Dynamic Range: 82dB, A Weighted THD+N 0.03%, 1kHz Maximum Input: +6dBu Input Impedance: 4kΩ Gain Range: +3dB to +60dB
HIZ INPUT 2 (Unbalanced)	Maximum Input: +3.0dBV Input Impedance: 1MΩ Gain Range: 0dB to +40dB

Feature	Specification
LINE INPUT 1/2 (Balanced)	Maximum Input: +10dBu Input Impedance: 18.5kΩ Gain Range: 10dB to +40dB
MAIN OUTPUT (Impedance Balance)	Frequency Response: 1/1dB, 20Hz-20kHz Dynamic Range: 82dB, A Weighted THD+N 0.03%, 1kHz Maximum Output: +6dBu Output Impedance: 100Ω
PHONES Output	Maximum Output: 15mW+15mW, 40Ω
USB Technical Specifications	Full Speed: USB2.0, 24 Bit, 44.1kHz/48kHz/88.2kHz/96kHz/176.4kHz/192kHz
XLR Input Polarity	1: Ground, 2: Hot (+), 3: Cold (-)
Power Requirements	>5W (via DC5V IN / USB)
Package Dimensions	9.06 x 5.51 x 2.36 inches
Item Weight	1.33 pounds
Compatible Devices	Laptop (PC, OS, iOS via adapter)

6. MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your Q22 Sound Card.

- **Cleaning:** Use a soft, dry cloth to wipe the exterior of the device. Avoid using liquid cleaners or abrasive materials, as they may damage the finish or internal components.
- **Storage:** When not in use, store the sound card in a cool, dry place away from direct sunlight, extreme temperatures, and high humidity.
- **Cable Care:** Handle USB and audio cables carefully. Avoid sharp bends or kinks that can damage the internal wiring.
- **Ventilation:** Ensure the device has adequate ventilation during operation to prevent overheating. Do not block any vents.

7. TROUBLESHOOTING

If you encounter issues with your Q22 Sound Card, refer to the following common problems and solutions.

7.1 No Sound Output

- **Check Connections:** Ensure all cables (USB, headphones, speakers) are securely connected.
- **Volume Levels:** Verify that the 'PHONES' and 'MAIN' volume knobs on the Q22 are turned up. Also, check the volume settings on your computer and connected playback devices.
- **Default Playback Device:** In your computer's sound settings, ensure the Q22 Sound Card is selected as the default playback device.
- **Driver Status:** Check your computer's Device Manager (Windows) or System Information (macOS) to ensure the sound card drivers are installed correctly and the device is recognized.

7.2 No Input Signal Detected

- **Input Source:** Confirm your microphone or instrument is properly connected to the correct input jack (INPUT 1 or HI-Z INPUT 2).
- **Gain Knobs:** Increase the GAIN 1 or GAIN 2 knob for the connected input.
- **Phantom Power:** If using a condenser microphone, ensure the '+48V POWER' switch is ON.
- **Microphone/Instrument Check:** Test your microphone or instrument with another device to confirm it is functioning correctly.
- **Default Recording Device:** In your computer's sound settings, ensure the Q22 Sound Card is selected as the default recording device.

7.3 Device Not Recognized by Computer

- **USB Port:** Try connecting the Q22 to a different USB port on your computer.
- **USB Cable:** Test with a different USB cable if available.
- **Restart:** Restart your computer and reconnect the sound card.
- **Driver Reinstallation:** If issues persist, try uninstalling and reinstalling the sound card drivers.