

TEYUN Q-12

TEYUN Q-12 USB Audio Interface User Manual

Model: Q-12 | Brand: TEYUN

1. INTRODUCTION

The TEYUN Q-12 USB Audio Interface is a compact and versatile device designed for high-quality audio recording, podcasting, and streaming. It offers ultra-low latency and noise-free performance, making it ideal for both beginners and experienced users. With its 16-bit/48kHz converter and +48V phantom power, the Q-12 ensures clear and distinctive sound capture for microphones, guitars, and other instruments. This manual provides detailed instructions for setting up, operating, and maintaining your audio interface.



Figure 1.1: Front view of the TEYUN Q-12 USB Audio Interface.

2. PRODUCT FEATURES

- **Guitar/Bass Insertion Support:** Each input features a gain halo meter. A red light indicates excessive volume, prompting adjustment for optimal recording levels.
- **High-Performance Converter:** Records, mixes, and plays audio in studio quality up to 16-bit/48kHz, ensuring clear

and detailed sound.

- **USB Power Supply:** Conveniently powered directly via USB connection to your computer.
- **Compact and Portable:** Designed for easy transport, ideal for on-the-go recording. Includes switchable +48V phantom power.
- **Wide Application:** Suitable for home karaoke, KTV, studio recording, live performances, and music production.



Figure 2.1: The compact size of the TEYUN Q-12, highlighting its portability.

3. PRODUCT OVERVIEW AND COMPONENTS

Familiarize yourself with the various inputs, outputs, and controls on your TEYUN Q-12 audio interface.

PRODUCT FUNCTION DIAGRAM

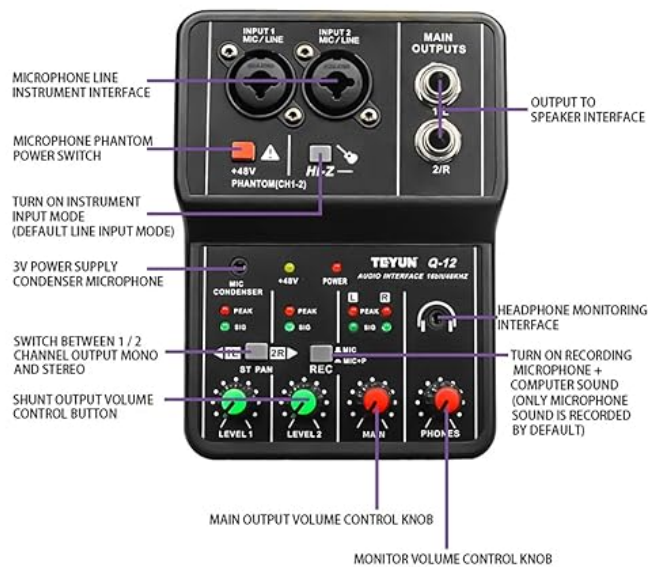


Figure 3.1: Product Function Diagram with labeled controls and ports.

- **INPUT 1/2 MIC/LINE:** Combination XLR/TRS inputs for microphones or line-level instruments.
- **+48V PHANTOM(CH1-2):** Button to activate +48V phantom power for condenser microphones.
- **HI-Z:** Switch to enable high impedance input for instruments like guitars or basses.
- **MAIN OUTPUTS (1/L, 2/R):** TRS outputs for connecting to studio monitors or external speakers.
- **MIC CONDENSER:** Indicator for condenser microphone mode.
- **PEAK/SIG Indicators:** Lights indicating signal presence (SIG) and clipping (PEAK).
- **POWER:** Power indicator light.
- **REC:** Recording indicator.
- **MIC+PC:** Switch to monitor microphone input mixed with computer audio.
- **PHONES:** 3.5mm headphone output jack.
- **LEVEL 1/2:** Gain control knobs for Input 1 and Input 2.
- **ST PAN (1L/2R):** Stereo pan control for inputs.
- **OUTPUT:** Main output volume control.
- **PHONES:** Headphone output volume control.

4. SETUP GUIDE

Follow these steps to connect your TEYUN Q-12 audio interface to your computer and other audio equipment.

1. **Initial Preparation:** Before connecting any devices, ensure all volume levels on the Q-12 and connected equipment are turned to their minimum settings.
2. **Connect to Computer:** Use the provided USB cable to connect the Q-12 to an available USB port on your computer. The device is USB-powered.
3. **Install Drivers (if necessary):** The TEYUN Q-12 is generally plug-and-play with most operating systems (Windows, macOS, Linux). If prompted, allow your system to install any necessary drivers automatically.

4. Connect Microphones/Instruments:

- For dynamic microphones or line-level instruments, connect them to INPUT 1 or INPUT 2 using XLR or TRS cables.
- For condenser microphones, connect via XLR and then press the **+48V PHANTOM** button to supply power.
- For electric guitars or basses, connect to INPUT 1 or INPUT 2 and activate the **HI-Z** switch for proper impedance matching.

5. **Connect Output Devices:** Connect your studio monitors or speakers to the **MAIN OUTPUTS (1/L, 2/R)** using TRS cables. Connect headphones to the **PHONES** jack.

6. **Power On:** Once all connections are secure, the device will power on automatically when connected to a powered USB port.

Connection diagram



Figure 4.1: Diagram illustrating typical connection setups for the TEYUN Q-12.

Video 4.1: Teyun Q12 Product Overview. This video provides a visual demonstration of the product's features and physical aspects.

5. OPERATING INSTRUCTIONS

Once connected, you can begin using your TEYUN Q-12 for recording, podcasting, or streaming.

1. **Adjust Input Levels:** Slowly turn the **LEVEL 1** and **LEVEL 2** knobs clockwise for your connected microphones or instruments. Observe the SIG (signal) and PEAK (clipping) indicators. Adjust the level so the SIG light illuminates consistently, and the PEAK light only flashes occasionally during the loudest parts. If the PEAK light stays on, reduce the input level to prevent distortion.
2. **Monitor Audio:** Connect headphones to the **PHONES** jack and adjust the **PHONES** volume knob to a comfortable listening level.
3. **Main Output Volume:** Adjust the **OUTPUT** knob to control the volume sent to your studio monitors or speakers.
4. **Software Configuration:** In your audio recording, podcasting, or streaming software (e.g., DAW, OBS, Audacity), select the TEYUN Q-12 as your audio input and output device. Refer to your software's manual for specific instructions.
5. **Monitoring Mix:** Use the **MIC+PC** switch to toggle between monitoring only the microphone input or a mix of

microphone and computer audio.

6. **Stereo Panning:** The **ST PAN** switch allows you to switch between mono and stereo output for channels 1 and 2.



Figure 5.1: The TEYUN Q-12 is suitable for a variety of audio applications.

6. SPECIFICATIONS

Feature	Detail
Model Number	Q-12
Connectivity Technology	USB
Number of Channels	2
Audio Resolution	Up to 16-bit/48kHz
Phantom Power	+48V (switchable)

Feature	Detail
Compatible Devices	Personal Computer
Supported Software	Most Audio Recording, Podcasting, and Streaming Software
Operating System	Multiple (Windows, macOS, Linux)
Item Weight	10.5 ounces (approx. 298g)
Product Dimensions	5.91 x 5.12 x 2.17 inches (approx. 15 x 13 x 5.5 cm)

7. TROUBLESHOOTING

If you encounter issues with your TEYUN Q-12, refer to the following common problems and solutions:

- **No Sound Output:**
 - Check all cable connections (USB, inputs, outputs, headphones).
 - Ensure the Q-12 is selected as the default audio input/output device in your computer's sound settings and recording software.
 - Verify that all volume knobs (LEVEL, OUTPUT, PHONES) are turned up.
 - If using a condenser microphone, ensure +48V phantom power is activated.
- **Distorted or Clipping Sound (PEAK light constantly on):**
 - Reduce the input **LEVEL** knob for the affected channel.
 - Ensure the microphone or instrument output level is not too high.
- **Excessive Noise or Hum:**
 - Check for faulty or unshielded cables.
 - Ensure proper grounding of all connected equipment.
 - Reduce input gain if the noise is only present at high levels.
 - Try connecting the Q-12 to a different USB port or a powered USB hub.
- **High Latency (Delay in Audio):**
 - While the Q-12 is designed for low latency, performance can vary with computer specifications and software settings.
 - In your recording software, check and adjust the audio buffer size (lower buffer size reduces latency but requires more CPU power).
 - Close other demanding applications running on your computer.
- **Device Not Recognized by Computer:**
 - Try connecting to a different USB port.
 - Restart your computer.
 - Check your operating system's device manager (Windows) or System Information (macOS) to see if the device is listed.

8. MAINTENANCE

Proper care and maintenance will ensure the longevity of your TEYUN Q-12 audio interface.

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the device. Do not use abrasive cleaners, solvents, or waxes.
- **Storage:** Store the device in a cool, dry place away from direct sunlight, extreme temperatures, and humidity.

- **Handling:** Avoid dropping or subjecting the device to strong impacts. Do not attempt to disassemble or modify the unit, as this will void the warranty.
- **Cable Care:** Always grasp the connector, not the cable, when plugging or unplugging. Avoid bending cables sharply.

9. WARRANTY AND SUPPORT

The TEYUN Q-12 USB Audio Interface comes with a **12-month manufacturer assurance** from the date of purchase. This warranty covers defects in materials and workmanship under normal use.

For warranty claims, technical support, or any inquiries not covered in this manual, please contact TEYUN customer service through the retailer where you purchased the product or refer to the contact information provided with your product packaging. Please have your purchase receipt and product model number (Q-12) ready when contacting support.

Documents - TEYUN – Q-12



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2023 Chris Grossman ChrisGrossman.com TEYUN **Q-12** In-Depth Review 2023
Chris Grossman Why Did I Buy the Teyun **Q-12** I wanted a USB audio interface to use with OBS Studio that has the following features A 3.5mm TS condenser mic input that will work with my headset microphones This seems to be a v...

lang:en score:29 filesize: 2.29 M page_count: 21 document date: 2023-10-27