XTUGA Q12

XTUGA Q-12 USB Audio Interface Instruction Manual

Model: Q-12 | Brand: XTUGA

1. PRODUCT OVERVIEW

The XTUGA Q-12 is a compact and versatile 2-channel USB audio interface designed for high-fidelity recording, mixing, and audio playback. It offers ultra-low latency and plug-and-play compatibility, making it suitable for both beginners and professional studio applications.

Nom du produit: XTUGA Interface audio USB + alimentation fantôme 48V avec fiche de microphone de 3,55 m Interface audio 2i2 pour l'enregistrement, le podcasting Interface audio XLR à latence ultra-faible Plug & Play

Modèle: Q12

Fabricant: XTUGA

Adresse: Room A, 3rd Floor, No.1, Trade 1st Road, No.2 Plant Guangdong Enping 529400

Avertissement:

1. S' il vous plait utiliser dans un environnement ventilé, loin du feu
2. Lors de l utilisation du produit, veuillez éviter le contact avec l eau
3. Si le produit est sans fil, s'il vous plait tenir loin d'autres sources d interférencelors de l utilisation
4. Veuillez ne pas démonter ! appareil par vous-même. En cas de problème,veuillez nous contacter
5. Pour les produits qui nécessitent une alimentation, veuillez utiliser unealimentation standard, une tension trop élevée peut endommager équipement
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MADE IN CHINA

The XTUGA Q-12 USB Audio Interface, a compact and powerful device for professional audio recording and mixing.

Key Features:

- **USB Audio Interface:** Record singing, guitar, and bass directly into your recording software. Features independent volume control for each channel.

- **High-Performance Converter:** Supports up to 16-bit/48 kHz audio resolution for clear, distinctive recordings.

- **Versatile Inputs:** Includes standard 3-pin XLR sockets for microphones (with 48V phantom power) and an additional 3.5mm microphone jack.

- **Gain Halo Meter:** Each input features a gain halo meter that flashes red when the volume is too high, indicating the need for adjustment.

- **48V Phantom Power:** Provides reliable power for condenser microphones with ultra-low noise design.

- **Loopback Functionality:** Allows simultaneous recording of microphone input and computer audio output, ideal for streaming and sampling.

- **Direct Monitoring:** Enables real-time monitoring of your input signal without latency.

- **Mono/Stereo Switch:** Offers flexible input/output configurations for various recording setups.

- **Driver-Free Installation:** Plug and Play compatibility with Windows, Mac, and other computer operating systems.

2. Setup Guide

Follow these steps to set up your XTUGA Q-12 audio interface.

2.1 Connecting to Your Computer

The XTUGA Q-12 is a plug-and-play device, requiring no special drivers for most operating systems.

1. Connect the USB cable (provided) from the Q-12's USB port to an available USB port on your computer (PC or Mac).

2. The POWER indicator light on the Q-12 will illuminate, indicating it is receiving power.

3. Your computer should automatically recognize the device as "USBAudio2.0" or similar.

The XTUGA Q-12 connected to a laptop, demonstrating its plug-and-play functionality.

Your browser does not support the video tag.

This video demonstrates the simple plug-and-play setup of the XTUGA Q-12 USB audio interface with a PC, showing the connection

2.2 Connecting Microphones and Instruments

The Q-12 offers versatile input options for various audio sources.

1. **XLR/TRS Combo Inputs (INPUT 1 MIC/LINE, INPUT 2 MIC/LINE):** Connect your XLR microphones, guitars, or other line-level instruments to these jacks.

2. **48V Phantom Power:** For condenser microphones requiring phantom power, press the "+48V PHANTOM(CH1-2)" button. The corresponding indicator light will turn on. **Caution:** Ensure phantom power is only enabled for condenser microphones that require it.

3. **3.5mm Microphone Jack (MIC CONDENSER):** An additional 3.5mm input is available for compatible condenser microphones.

4. **HI-Z Switch:** For high-impedance instruments like electric guitars or basses, press the "HI-Z" button for optimal signal quality.

Input interface

48V switch

Input 2 HI-Z switch

3.5mm microphone

Stereo/mono switch

Input level knob

PC interface

INPUT 1 MIC / LINE

INPUT 2 MIC / LINE

MAIN OUTPUTS

+48V PHANTOM(CH1-2)

GAIN+10dB

1/L

2/R

Q-12

MIC CONDENSER

+48V

POWER

AUDIO INTERFACE 16bit/48KHZ

L R

PEAK

PEAK

PEAK

SIG

SIG

SIG

1L

2R

MIC
MIC+PC

PC
DIRECT MONITOR

ST PAN

REC

LEVEL 1

LEVEL 2

MAIN

PHONES

USB Audio
using computer DC

PC

Output Interface

Headphone jack

Recording mode switch

Headphone volume adjustment

Main volume adjustment

A detailed diagram of the XTUGA Q-12's front and rear panels, labeling all input/output interfaces, switches, and control knobs.

Top-down view of the XTUGA Q-12 audio interface, highlighting its input and output ports.

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This video provides a comprehensive overview of the XTUGA Q-12's features, including its various input/output options, controls, and indicators, demonstrating how to connect microphones and instruments.

2.3 Connecting Output Devices (Speakers/Headphones)

Monitor your audio through headphones or external speakers.

1. **Main Outputs (1/L, 2/R):** Connect your studio monitors or active speakers to these 1/4-inch TRS outputs.
2. **Headphone Jack (PHONES):** Plug your headphones into the 3.5mm headphone jack for private monitoring. Adjust the headphone volume using the "PHONES" knob.

A user wearing headphones connected to the XTUGA Q-12, demonstrating the real-time monitoring feature.

3. OPERATING INSTRUCTIONS

3.1 Input Level Adjustment

Each input channel (LEVEL 1, LEVEL 2) has an independent volume control knob. Adjust these knobs to achieve an optimal input level. The "PEAK" indicator light will flash red if the signal is too high, indicating potential clipping. Adjust the level down until the "SIG" (signal) light is consistently green and the "PEAK" light rarely flashes.

A user working on a laptop with the XTUGA Q-12, illustrating its high-precision audio resolution for professional sound quality.
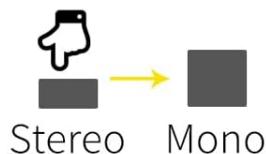
3.2 Mono/Stereo Switch (ST PAN)

The "ST PAN" button allows you to switch between mono and stereo monitoring for your inputs.

- **Press Up (Mono):** Combines input channels 1 and 2 into a single mono output. Useful for vocal recording or when a summed signal is preferred.
- **Press Down (Stereo):** Keeps input channels 1 and 2 separate for stereo output. Ideal for recording instruments with stereo effects or when distinct left/right signals are desired.
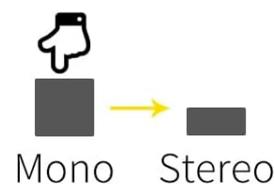
MONO/STEREO SWITCH

Press up to turn on mono monitoring, channel 1/2 will mono output the sound.

MONO

Stereo → Mono

Press down to turn on stereo monitoring, channel 1/2 will stereo output the sound.

STEREO

Mono → Stereo

A diagram illustrating the function of the Mono/Stereo switch on the XTUGA Q-12, showing how it affects the output signal.

3.3 Recording Mode Switch (REC)

The "REC" switch controls what audio is sent back to your computer for recording.

- **MIC:** Only the audio from the connected microphones/instruments is sent to the computer.
- **MIC+PC (Loopback):** Both the audio from the connected microphones/instruments AND the audio playing from your computer (e.g., YouTube, music software) are mixed and sent to the computer for recording. This is ideal for live streaming, podcasting with background music, or sampling audio directly from your computer.

RECORDING MODE SWITCH

A user recording with the XTUGA Q-12, highlighting the recording mode switch for microphone-only or microphone-plus-PC audio.

3.4 Main Volume Adjustment

The "MAIN" knob controls the overall output volume to your main speakers. Adjust this to a comfortable listening level.

4. TYPICAL APPLICATIONS

The XTUGA Q-12 is suitable for a variety of audio applications, including:

- Vocal Recording
- Studio Recording
- Music Creation (e.g., recording guitar, bass, keyboards)
- Podcasting and Live Streaming (utilizing the loopback function)
- ASMR Recording
- Online Meetings and Voice Chat

SUITABLE OCCASION

Vocal recording

Studio recording

Music creation

ASMR recording

A collage of images showing the XTUGA Q-12 being used in various scenarios: vocal recording, studio recording, music creation, and ASMR recording.

5. TECHNICAL SPECIFICATIONS

Feature	Specification
Model Number	Q12
Brand	XTUGA
Connectivity Technology	USB
Hardware Interface	USB, XLR, 3.5mm Jack, 1/4" TRS
Number of Channels	2
Audio Resolution	16-bit/48 kHz

Feature	Specification
Phantom Power	+48V (switchable)
Compatible Devices	Personal Computer
Operating System Compatibility	Windows, Mac (driver-free)
Supported Software	Audacity, Ableton Live, FL Studio, Pro Tools (and most mainstream DAWs)
Item Weight	10.8 ounces (approx. 306g)
Product Dimensions	5.98 x 4.92 x 1.97 inches (approx. 15.2 x 12.5 x 5 cm)

6. MAINTENANCE AND CARE

To ensure the longevity and optimal performance of your XTUGA Q-12, follow these guidelines:

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the device. Avoid abrasive cleaners, solvents, or strong chemicals.
- **Environment:** Operate and store the device in a well-ventilated, dry environment, away from direct sunlight, excessive heat, and moisture.
- **Handling:** Handle the device with care. Avoid dropping it or subjecting it to strong impacts.
- **Connections:** Always ensure cables are securely connected but avoid excessive force when plugging or unplugging.
- **Power:** Use only the standard power supply method (USB) as specified. High voltage may damage the device.

7. TROUBLESHOOTING

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

Problem	Possible Solution
No Power Indicator Light	Ensure the USB cable is securely connected to both the Q-12 and a powered USB port on your computer. Try a different USB port or cable.
No Sound Output	Check that your speakers/headphones are correctly connected and powered on. Verify the "MAIN" and "PHONES" volume knobs are turned up. Ensure the correct audio output device ("USBAudio2.0") is selected in your computer's sound settings.
No Input Signal (SIG/PEAK lights off)	Check microphone/instrument connections. Ensure the input level knobs (LEVEL 1, LEVEL 2) are turned up. If using a condenser mic, ensure +48V phantom power is enabled. If using a high-impedance instrument, ensure the HI-Z switch is engaged.
Distorted Audio (PEAK light flashing red)	The input signal is too strong. Reduce the input level using the corresponding LEVEL knob until the PEAK light no longer flashes frequently.
"Cannot Use Accessory" Error (on iPad/iOS)	This message may appear due to power draw, but the device often functions correctly despite the warning. Ensure your iPad/device is sufficiently charged or connected to power.

Problem	Possible Solution
Loopback Function Not Working	Ensure the "REC" switch is set to "MIC+PC". Verify that audio is playing from your computer and that the Q-12 is selected as both the input and output device in your recording software/system settings.

8. SAFETY PRECAUTIONS

Please read and adhere to the following safety guidelines to prevent damage to the device or personal injury:

- Use in a well-ventilated environment, away from fire and excessive heat.
- Avoid contact with water or other liquids. Do not operate in wet or damp conditions.
- If the product is wireless (not applicable to Q-12, but general advice), keep away from other interference sources.
- Do not disassemble or attempt to repair the equipment yourself. Contact customer support if problems arise.
- Use only the specified power supply (USB). High voltage can damage the device.
- Do not use sharp objects to scratch the casing or surface of the device.

DU PRODUIT

1. S' il vous plaît utiliser dans un environnement ventilé, loin du feu

2. Lors de l' utilisation du produit, veuillez éviter le contact avec l' eau

3. Si le produit est sans fil, s' il vous plaît tenir loin d' autres sources d' interférence lors de l' utilisation

4. Veuillez ne pas démonter l' appareil par vous-même. En cas de problème, veuillez nous contacter

5. Pour les produits qui nécessitent une alimentation, veuillez utiliser une alimentation standard, une tension trop élevée peut endommager l' équipement

6. Veuillez éviter de gratter le logement et la surface de l' équipement avec des objets pointus

A list of important safety precautions for the XTUGA Q-12 audio interface.

9. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the official XTUGA website or contact your retailer.

Specific warranty terms may vary by region and purchase location.

Contact Information:

Company: XTUGA E-COMMERCE

For further assistance, please visit the XTUGA Store on Amazon.

PRECAUTIONS

1. Please use in a ventilated environment, away from fire

2. Avoid contact with water when using the product

3. If the product is wireless, keep away from other interference sources

4. Please do not disassemble the equipment yourself, in case of problems, please contact us

5. Use the standard power supply if the device requires power supply. High voltage may damage the device

6. Do not use sharp objects to scratch the shell and surface of the device

Regulatory compliance markings and manufacturer contact details for XTUGA.