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用户使用手册

MINI PORT USB 专业音频接口
192kHz/24bit 超高解析度

UC-2

NUX

NUX

UC-2

MINI PORT USB Audio Interface
192kHz/24bit Ultra High Resolution

Owner's Manual



www.nuxefx.com

WARNING!-IMPORTANT SAFETY INSTRUCTIONS BEFORE CONNECTING, READ INSTRUCTIONS

WARNING: To reduce the risk of fire or electric shock, do not expose this appliance to rain or moisture.

CAUTION: To reduce the risk of fire or electric shock, do not remove screws. No user-serviceable parts inside. Refer servicing to qualified service personnel.

CAUTION: This equipment has been tested and found to comply with the limits for a Class B digital device pursuant to Part 15 of FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.



The lightning symbol within a triangle means "electrical caution!" It indicates the presence of information about operating voltage and potential risks of electrical shock.



The exclamation point within a triangle means "caution!" Please read the information next to all caution signs.

1. Use only the supplied power supply or power cord. If you are not sure of the type of power available, consult your dealer or local power company.
2. Do not place near heat sources, such as radiators, heat registers, or appliances which produce heat.
3. Guard against objects or liquids entering the enclosure.
4. Do not attempt to service this product yourself, as opening or removing covers may expose you to dangerous voltage points or other risks. Refer all servicing to qualified service personnel.
5. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as when the power supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally or has been dropped.
6. The power supply cord should be unplugged when the unit is to be unused for long periods of time.
7. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles and at the point where they exit from the apparatus.
8. Prolonged listening at high volume levels may cause irreparable hearing loss and/or damage. Always be sure to practice "safe listening".

Follow all instructions and heed all warnings
KEEP THESE INSTRUCTIONS!

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Accuracy
Whilst every effort has been made to ensure the accuracy and content of this manual, Cherub Technology Co. makes no representations or warranties regarding the contents.

Introduction

Thank you for choosing the NUX UC-2 MINI PORT USB Audio Interface. UC-2 is designed to give you a professional, portable audio and MIDI interface for your Windows or Mac OSX computer.

UC-2 supports Windows, Mac environments, to meet your needs for easy music production in a variety of situations with ultra high performance. Since it supports recording and playback at up to 24bit/192kHz, it can also be used for the playback of high-resolution sound sources delivered with superior audio quality over the internet.

Please read through this manual carefully before you use it, so that you are able to take full advantage of your interface's features.

Features

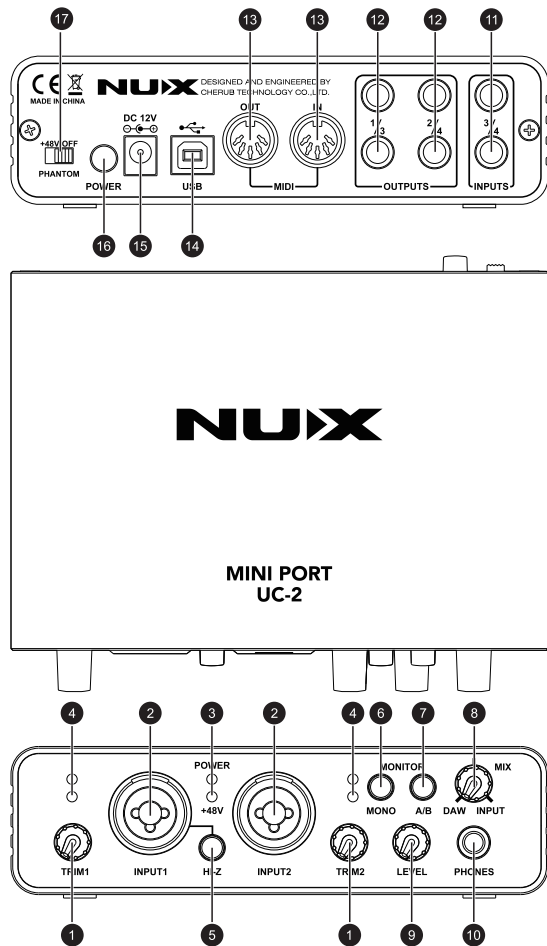
- Two front-panel balanced/unbalanced Mic/Instrument/Line inputs on combo XLR/TRS jacks
- Four unbalanced outputs on TS jacks
- HI-Z switch for instrument level input
- Peak level indicators for INPUT1 & 2
- Trim 1 & 2 for Mic preamplifier input level control
- Support sample rate up to 192kHz with 24bit resolution
- MIDI Input and Output interface
- Phantom power switch with front-panel indicator LED
- MONO switch for input monitoring
- INPUT/DAW control for monitoring
- Output level control
- A/B switch for headphone source selection
- Front-panel headphone output
- Driver supports for WDM/MME (Windows XP, Windows 7, Windows8), CoreAudio (Mac OSX 10.6.8 or later), and ASIO 2.0



Support: Windows® 8 Windows® 7 Sp1 Windows Vista® Sp2 Windows®XP Sp3 Mac OS X

Mac, Intel, Windows, Linux, Windows, and CoreAudio are registered trademarks of their respective owners.

Panel Layout



1 GAIN Control for Input 1/2 (TRIM 1/2)
Adjust the input signal level of the combo jack.

2 MIC/LINE Combo Jacks (INPUT 1/2)
For connecting a microphone or line in level signal.

NOTE

You can directly connect an electric guitar or bass with passive pickup to INPUT 1.

3 POWER/PHANTOM indicators
These indicators light up when power or phantom +48V is applied to the interface.

4 SIGNAL LEVEL indicators
These indicators show signal levels prior to the digital system. Green LEDs light up when a signal is present, and the red LEDs light up when the signal reaches clipping level. Adjust the input gain level on that channels, so that the red LEDs flash occasionally.

5 HI-Z button for INPUT 1
Set this switch in position when you connect an electric guitar or bass to INPUT 1.

6 MONO button
This switch allows INPUT 1/2 to be used as separate mono channels or as a stereo pair. In mono mode, INPUT 1/2 feed both OUTPUT 1/2.

7 A/B MONITOR selector button
This switch selects the signal source sent to the LEVEL knob. In A position, INPUT 1/2 are sent to the main out, in B position, INPUT 3/4 are sent to the main out.

8 MIX control (INPUT-DAW)
Adjust the audio mix received from DAW and input signal. When turned fully counter-clockwise, only the output signal from your DAW software is heard at the line outputs. When turned fully clockwise, only the input signal are heard at the line outputs.

9 LEVEL knob
Adjust the signal level sent to the main out jacks.

10 PHONES jack
Connect a pair of headphones to this jack. The PHONES jack outputs the same signal as the main out jacks.

11 LINE INPUT 3/4 jacks
These inputs are intended mainly for using with instruments and equipment having stereo outputs, such as a keyboard or CD player.

12 LINE OUTPUT 1-4 jacks
These are unbalanced outputs on TS jacks. The default main output jacks are OUTPUT 1/2.

13 MIDI IN/OUT
Connect to the MIDI input and output of your controller or other MIDI device.

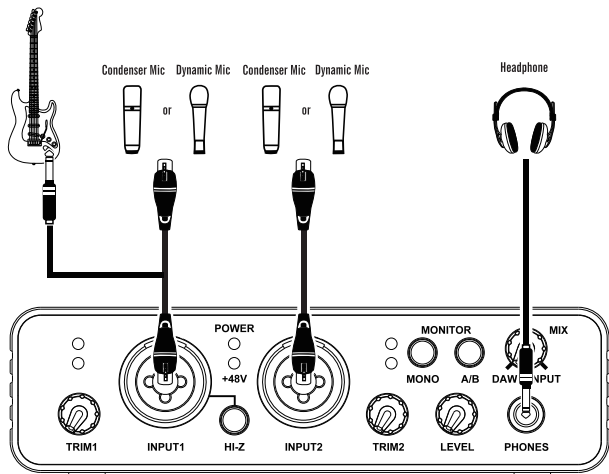
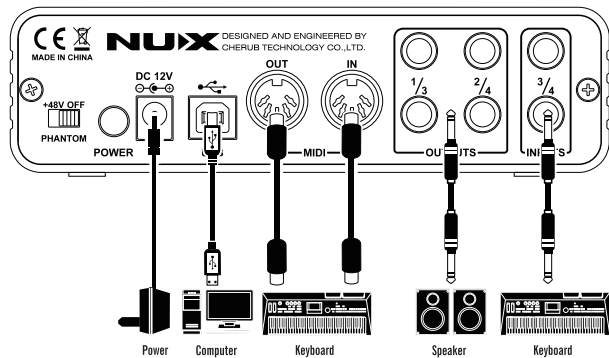
14 USB terminal
Connect a standard USB cable to this port, connecting the other end to your computer.

15 POWER SUPPLY jack
Connect a 12V DC 1000mA power supply to this jack.

16 POWER button
Press this button to turn on the MINI PORT.

17 PHANTOM POWER switch
Slide this switch will activate the phantom power circuitry, sending 48V power to the front-panel XLR inputs for using with condenser microphones requiring external power.

Connections



Driver Installation

1. Log on to the computer with a user account that has administrator privileges.
2. Download recently UC-2 driver from official website www.nuxefx.com.
3. Click the corresponding driver file on the website to start the installation.
4. Follow the on-screen instructions to install the software.
5. When installation has been completed, click [Finish].

Specifications

• Mic Inputs (A/D)

Input Impedance: 2.7k Ω unbalanced, 5.4k Ω balanced
 Maximum Input level: +24dBu @ min gain, -40dBu @ max gain
 Channel-to-Channel Crosstalk: <-110dB
 SNR: -101dB, A-weighted
 Dynamic Range: 101dB, A-weighted
 THD+N: 0.005% [-86dB] @ -1dBFS, 1kHz
 Frequency Response: 20Hz to 20kHz, \pm 0.1dB
 Preamp Gain: >40dB

• Instrument Inputs (Hi-Z mode)

Input Impedance: >470k Ω , unbalanced
 Maximum Input level: +4dBu

• Line Inputs (A/D)

Input Impedance: 20k Ω balanced and unbalanced
 Maximum Input Level: +4dBu balanced/ +1.9dBu unbalanced

• Line Outputs (D/A)

Output Impedance: 150 Ω unbalanced
 Maximum Output Level: +1.8dBu, unbalanced
 Channel-to-Channel Crosstalk: <-108dB
 SNR: -103dB, A-weighted
 Dynamic Range: 103dB, A-weighted
 THD+N: 0.005% [-86dB] @ -1dBFS, 1kHz
 Frequency Response: 20Hz-20kHz \pm 0.3dB @48kHz sample rate

• Headphone Output (D/A)

Maximum Output: -2.5dBu @ THD<0.05% into 32 Ω
 Working Range: 32 Ω -600 Ω

• Digital Signal Processing (DSP)

Sampling frequency: 44.1kHz 48kHz 88.2kHz 96kHz 176.4kHz 192kHz
 A/D converter: 24bit
 D/A converter: 24bit
 Signal processing: 32bit

• Others

Power requirements: 12V DC, 1A (center positive plug)
 Power consumption: 450mA
 Dimensions: 155mm(D) x 136mm(W) x 52mm(H)
 Weight: 500g
 Accessories: USB cable, power adaptor, owner's manual

* 0dBu = 0.775 Vrms

* Design and specifications subject to change without notice.

THE FCC REGULATION WARNING (for U.S.A.)

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

CE mark for European Harmonized Standards

CE Mark which is attached to our company's products of Battery mains the product is in fully conformity with the harmonized standard(s) EN 61000-6-3:2007+A1: 2011 & EN 61000-6-1:2007 Under the Council Directive 2004/108/EC on Electromagnetic Compatibility.



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Made in China

产品简介

感谢您选择NUX UC-2 MINI PORT 专业音频接口。它将为您提供专业、便携的音频和MIDI连接接口。

UC-2支持Windows和MAC操作系统，它的卓越性能可以满足您在多种情况下进行简单音乐创作的需求。UC-2支持24bit/192kHz规格的录音和回放，也可以用于播放在网上传播的高质量音源。

请在开始使用前仔细阅读这份用户手册，以便您能充分了解UC-2的各项功能。

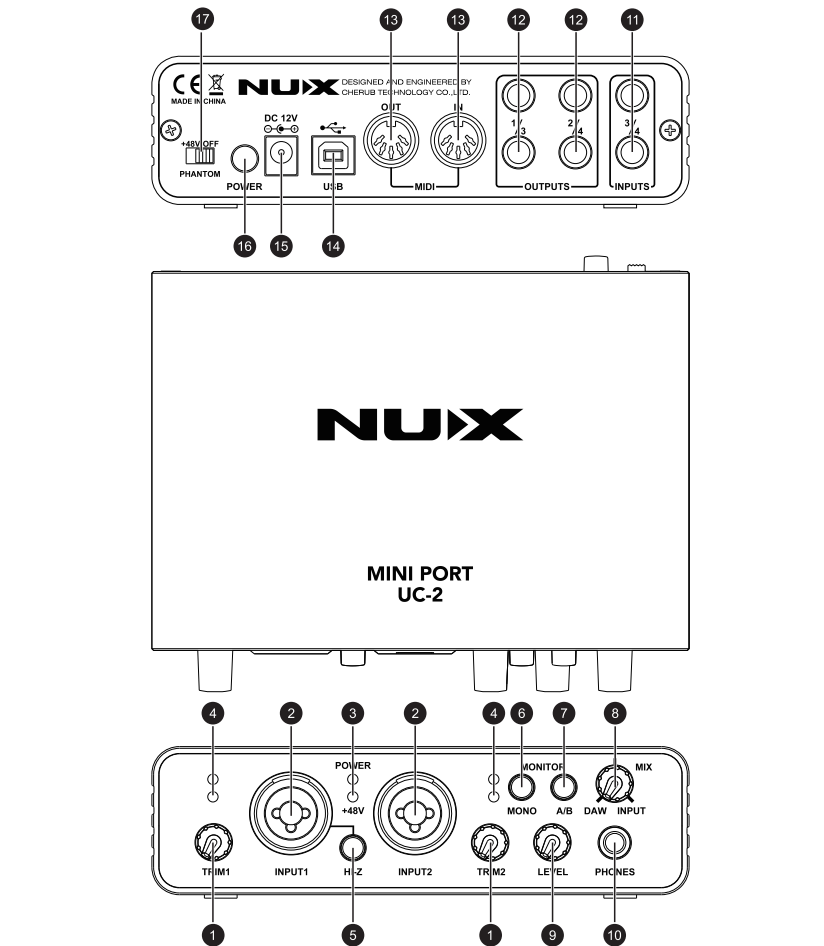
产品特点

- 两组前面板XLR/TRS组合接口适用于平衡/非平衡的麦克风或乐器信号
- 四组TS接口输出非平衡信号
- HI-Z开关使INPUT1可用于接入高阻抗乐器设备
- 输入接口INPUT 1&2带峰值电平指示灯
- Trim 1&2控制麦克风的输入电平
- 支持高达192kHz的采样率和24bit的采样精度
- MIDI输入和输出接口
- 带前面板指示灯的幻相供电开关
- 输入监听可切换为单声道/立体声
- 输入信号与DAW信号监听比例控制
- 输出电平控制
- 耳机信号源A/B切换开关
- 前面板耳机输出
- 驱动支持WDM/MME（适用于Windows XP，Windows 7，Windows 8系统），CoreAudio（Mac OS X 10.6.8或更新系统），以及ASIO 2.0。



Support: Windows® 8 Windows® 7 Sp1 Windows Vista® Sp2 Windows®XP Sp3 Mac OS X

控制面板



调节INPUT1/2的信号输入电平。

连接麦克风或线性输入信号。



当电源或者48V幻想供电被打开时，指示灯将亮起。

显示输入信号的电平。当有信号输入时，绿色LED灯将亮起；当信号水平达到限幅时，红色LED灯将亮起。调节信号输入水平使红色LED灯偶尔闪烁。

当连接电吉他或者贝司到INPUT 1时，将此开关打开。

此开关允许INPUT1/2两个输入通道被用作独立的单声道或者一个立体声通道组合。在单声道模式下，通道INPUT1/2可以同时输出至OUTPUT1 / 2输出接口。

选择输送给LEVEL旋钮的信号源。在A位置时，INPUT 1/2的信号被输送到主输出通道。在B位置时，INPUT 3/4的信号被输送到主输出通道。

调节分别从DAW和INPUT接受到的音频信号混合比。将旋钮调到逆时针最大位置, 仅能听到从DAW软件输出的音频信号; 将旋钮调到顺时针的最大位置, 仅能听到从INPUT输入通道接受到的音频信号。

调节输送到总输出接口的信号水平。

将耳机连接至此接口。耳机接口输出的信号与总输出接口相同。

主要用于连接乐器和拥有立体声输出的设备，比如键盘或者CD播放器。

四组6.35mm接口适用于非平衡输出信号，其中OUTPUT 1/2缺省作为主输出信号。

将MIDI设备控制器或其他MIDI设备的输出接到MIDI输入接口。

用标准USB连接线将此端口和电脑相连。

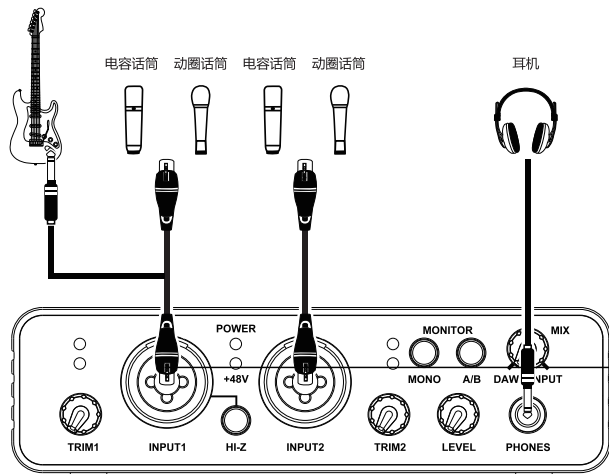
连接随机带的12V, 1000mA的直流电源到此接口。

按下此按钮将打开设备电源。

将开关拨到48V幻相供电档位，可以向前面板的XLR接口提供48V的电源，用于需要外接电源的电容麦克风。

Diagram illustrating the connection of various devices to the NUX interface:

- POWER:** Connects to a DC 12V power source (labeled 48V OFF PHANTOM).
- COMPUTER:** Connects to a computer (labeled 电脑).
- KEYBOARD:** Connects to a keyboard (labeled 键盘).
- SPEAKERS:** Connects to speakers (labeled 扬声器).
- MIDI:** Connects to a MIDI controller (labeled 键盘).



驱动安装

1. 开机登入有管理员权限的用户账户
2. 在NUX官网 (www.nuxefx.com) 下载最新的UC-2 USB专业音频接口驱动程序。
3. 点击相对应的驱动程序，开始安装。
4. 按照屏幕上的指令安装软件。
5. 当安装完成时，点击[Finish]。

技术规格

• 麦克风输入 (模拟/数字)

输入阻抗: 2.7k Ω (非平衡信号) , 5.4k Ω (平衡信号)
最大输入电平: +24dBu@min gain , -40dBu@max gain
通道间串扰: <-110dB
信噪比: -101dB, A-weighted
动态范围: 101dB, A-weighted
THD+N: 0.005% [-86dB]@-1dBFS, 1kHz
频响范围: 20Hz 到20kHz , ± 0.1 dB
前级放大增益: >40dB

• 乐器输入 (HI-Z模式)

输入阻抗: 470k Ω (非平衡信号)
最大输入电平: +4dBu

• 线性输入 (模拟/数字)

输入阻抗: 20k Ω (非平衡信号和平衡信号)
最大输入电平: +4dBu平衡信号 , +1.9dBu非平衡信号

• 线性输出 (数字/模拟)

输出阻抗: 150 Ω (非平衡信号)
最大输出电平: +1.8dBu非平衡信号
通道间串扰: <-108dB
信噪比: -103dB, A-weighted
动态范围: 103dB, A-weighted
THD+N: 0.005% [-86dB]@-1dBFS, 1kHz
频响范围: 20Hz到20kHz , ± 0.3 dB@48kHz采样率

• 耳机输出 (数字/模拟)

最大输出电平: -2.5dBu@THD<0.05% into 32 Ω
工作范围: 32 Ω -600 Ω

• 数字信号处理 (DSP)

采样率: 44.1kHz 48kHz 88.2kHz 96kHz 176.4kHz
192kHz
模拟/数字: 24bit
数字/模拟: 24bit
信号处理: 32bit

• 其它参数

电源: 12V直流电源, 1A (外负内正)
功耗: 450mA
尺寸: 155mm(长) x 136mm(宽) x 52mm(高)
重量: 500克
配件: USB连接线, 电源适配器, 用户手册

*0dBu = 0.775 Vrms
*设计和规格如有变更, 恕不另行通知。

注意事项

- 使用环境：
 1. 避免在高温、潮湿、零下等恶劣的环境中使用。
 2. 避免在阳光直射下使用。
- 请勿自行拆卸本机。
- 请保存好本手册以便以后查阅。

质量承诺

亲爱的 **NUX** 用户：

在您使用 **NUX** 产品时，请仔细参阅产品说明书，当您有疑问和困难时，请拨打售后服务热线：**400-990-9866**

- 一周内出现质量问题可退货退款
- 一年内出现质量问题可免费维修
- 一月内出现质量问题可调换
- 终身享有咨询和维修服务

[请向销售商索取有效购买凭证并予以保存]

换修政策

一、包换政策：

1. 消费者自购机之日起1个月之内，在正常使用情况下，出现非人为的产品性能故障，且产品外观及包装保持完好的可向所购机的经销商换机。
2. 消费者在换机时应出示由经销商开出的购机收据及保修卡，否则经销商可以不予更换。

二、保修政策：

产品在购买之日起1年内，可免费享有维修服务；对于超过1年的产品及人为或不可抗力因素造成损坏的产品，我司可提供有偿维修服务。

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