USB

AUDIOLINK III

USB AUDIO INTERFACE

Owner's manual V1.0

- ◆ Class Compliant USB Audio Interface (WinXP / Vista no drivers necessary)
- ◆ 24 Bit /44.1KHz resolution line stereo interface
- ◆ XLR Mic preamp with 48V phantom power and gain control
- ◆ HI-Z guitar preamp with gain control
- ◆ Adjustable stereo headphone output
- ◆ Full duplex with compatible recording software
- ◆ USB powered
- ◆ MIDI In & Out Interface
- ◆ Dimensions 18.5x13x4.5 cm
- ◆ Weight 530g

http://www.midiplus.com.tw

MIDIPLUS Co, Ltd.

MIDIPLUS

1. AudiolinkIII introduction

Thank you for purchasing the MIDIPLUS audiolink3 USB Audio interface. This interface brings an unparalleled level of USB audio quality to the Mac or PC, with pristine 24-bit /48 KHz A/D and D/A converters, an ultra-low jitter clock, and low noise MIC/ line /hi-Z preamp. (made some changes here)

You can download ASIO driver "Neutron_AL3_WIN32_2.9.30/ Neutron_AL3_X64_2.9.30" and Owner's

Manual and Tutorials in the following Link:

http://www.midiplus.com.tw/MIDIPLUS-Download.htm

Features of the Audiolink3

- 2 channel 24 bit /44.1khz input, 2 channel 24 bit / 44.1kHz output
- 2 microphone inputs (XLR balanced) with 48V phantom power and level control
- 2 high-impedance instrument / line inputs (balanced /unbalanced 1 / 4"TRS)
- stereo headphone output with level control knob gain control knob for input channel (+40 dB max)
- MIDI In & Out Interface
- USB-powered for total mobility
- Supports professional two-channel recording and playback
- Supports common sampling frequencies (see Technical Spec section)
- Extremely wide dynamic range and low signal-to-noise (see Technical)
- Spec section for ultra-quiet, professional-quality recording
- USB-powered or DC 9V IN.
- Class-compliancy on Windows XP Windows Vista & & Mac OSX (10.2.6. or greater)
- One-year warranty

System Requirements

The Audiolink3 has been designed to work with Windows XP or Windows 7.

Windows PC:

- Minimum Required
- 350 MHz Pentium 11
- 64MB RAM

- Native USB 1.1 Port, on motherboard
- Windows@ 98SE, 2000 (SP2), ME, or XP (SP1) Home or Pro (128 MB)
- RAM required for XP Pro(128 MB)
- Recommended (1 GB)
- 700 MHz Pentium lll
- 128 MB RAM
- Windows 2000 (SP2) or XP (SP1) Home or pro

What's in the box

- Audiolink3 USB audio interface – 1 PCS
- User's manual – 1 PCS
- USB cable – 1 PCS

2. Description of the Audiolink3

Hardware Setup

Front panel

1. **XLR MIC 1 Input:** This XLR balanced connector accepts an instrument or line level signal for Channel 1 of the Audiolink3

2. **MIC 1 level control:** This level control regulates the level of the signal going from the Mic input. When you plug a guitar or bass in the MIC / INST/Line input. When a guitar or bass is plugged in to the MIC/INST/Line input

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3. **MIC 1 signal light:** The Red one shows the input signal too high, and it will be cut the peak, while the Green one shows the input signal is available. For optimal audio quality, you should adjust the input trim knob so that the loudest recorded signal lights up the yellow light, but not the red. When the red meter light shines extra bright – you've clipped! If the signal level ever exceeds 0dBFS the signal will be "clipped"

and you will hear a “pop” or “tick” in the recording. This is a very bad thing, and clipping should be avoided for the best quality recording! There is enough headroom so that you can be conservative in this area, and there is no need to push the input levels (right *delete word)* up to the edge of clipping.

4. **XLR MIC 2 Input:** This XLR balanced connector accepts an instrument or line level signal for Channel 1 of the Audiolink3

5. **MIC 2 level control:** This level control regulates the level of the signal going from the Mic input. When you plug a guitar or bass in the MIC / INST/Line input.

6. **MIC 2 signal light:** The Red one shows the input signal too high, and it will be cut the peak, while the Green one shows the input signal is available. For optimal audio quality, you should adjust the input trim knob so that your. loudest recorded signal lights up the yellow light, but not the red. When the red meter light shines extra bright – you’ve clipped! If the signal level ever exceeds 0dBFS the signal will be “clipped” and you will hear a “pop” or “tick” in the recording. This is a very bad thing, and **clipping should be avoided for the best quality recording!** There is enough headroom so that you can be conservative in this area, and there is no need to push the input levels right up to the edge of clipping.

7. **USB Active light:** This LED indicator lights signify USB communication state , USB communication normal communication state led long bright, USB communication don't normally, kept flashing.

8. **Direct Monitor**: This is a direct monitor switch.

9. **Headphone output level control:** This level control regulates the level of the output signal form the headphone amp.

10. **Headphone Output Jack:** This 1/4” stereo jack plays back outputs 1 and 2 through the Left and Right speakers of your headphones.

Rear Panel

11. **Balance Output:** These 1 /4-IN connectors are Balance outputs(Left & Right).

12. **MIDI In & Out Interface:** The MIDI ports can be used for receiving MIDI time code (MTC), or sending and receiving MIDI signals between your digital audio/MIDI sequencing software and external sound modules, keyboards, MIDI controllers, etc. And the MIDI cable is standardized and widely available.

13. **Line/Inst. Input:** These 1 /4-IN connector accepts an instrument or line level signal for Left & Right of the Audiolink3.

14. **Phantom power (+48V) on/off:** Use this switch to turn on /off the 48V phantom power.

15. **USB Jack:** This jack connects the Audiolink3 to your computer. Using USB 1.1) (or higher) connection.

16. **Power Supply Jack:** DC 9V input. If Power Supply on USB is not enough, please use the External Power Adapter for power supply. Especially when you open the phantom power (+48V).

USB Connection

The Audiolink3 communicates with your computer through a USB port. It is also powered by the USB connection. Because of this, we recommend that you plug the Audiolink3 into one of the built-in USB ports on your computer, **not through a keyboard connection or USB hub.**

To connect your Audiolink3, find the open jack of an unused USB port on your computer and connect it to the Audiolink3 jack with the included USB cable. This computer USB jacks will most often be located on a rear panel and will probably be marked with a symbol looking something like the one pictured here.
In Windows XP & Vista, the Audiolink3 is class-compliant; you may simply plug the unit into a USB port. However, choosing to install the driver will allow the following added functionality;

Windows XP and Vista-Device Control Panel and ASIO support with low-latency drivers

SOFTWARE INSTALLATION

Windows XP

Follow these instructions to install the Audiolink3 driver on a Windows XP computer.

1. First connect the Audiolink3 to your computer using the supplied USB cable
2. Windows will detect the new USB device and install the USB audio device automatically

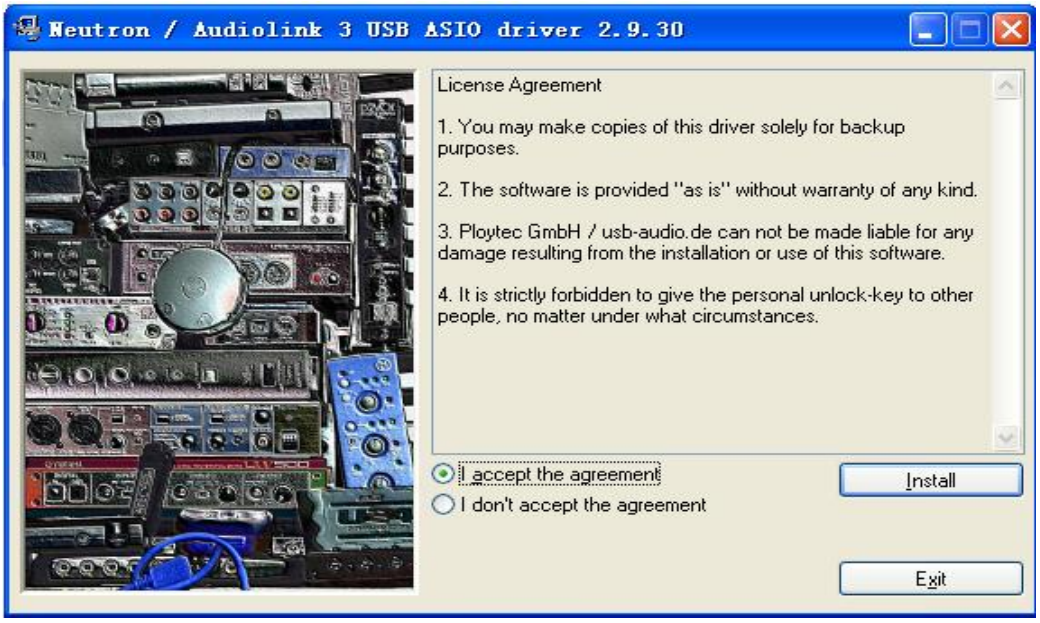
It is for the system build-in USB driver Install. But if you want to install the ASIO driver for it, please do next:.

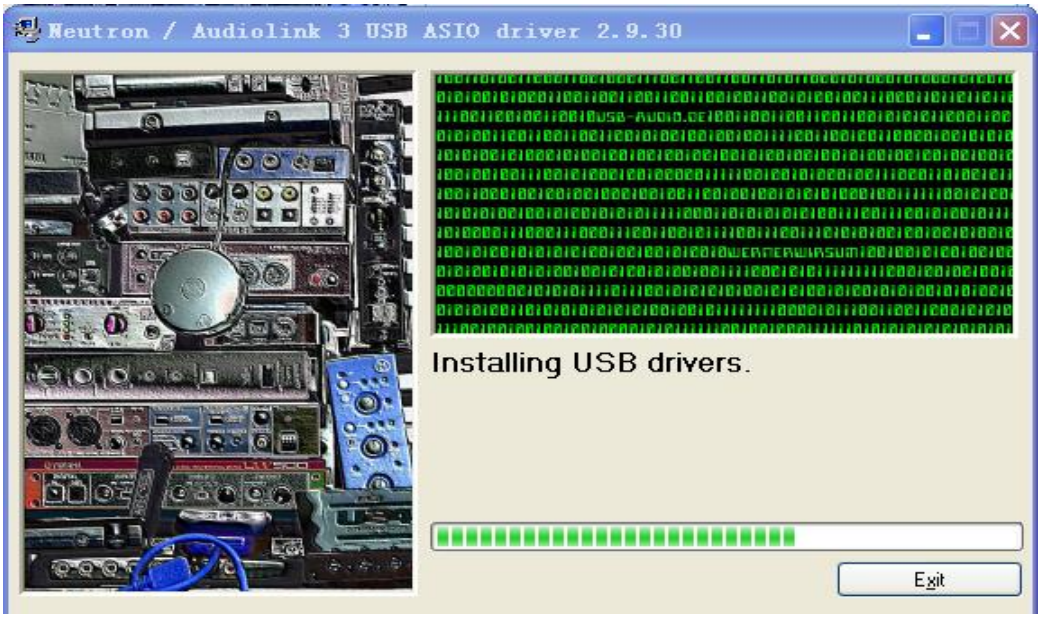
3. Download the ASIO Driver “Neutron_AL3_WIN32_2.9.30/ Neutron_AL3_X64_2.9.30” from: http://www.midiplus.com.tw/MIDIPLUS-Download.htm .

4. Install the ASIO Drivers.

You should do this before connecting the Audiolink3 interface to the USB port on your computer. Insert the Audiolink3 and run “Setup” in the folder “Install Neutron_AL3_WIN32_2.9.30/ Neutron_AL3_X64_2.9.30” ,

and then follow the on-screen directions.





Technical Specifications

Hardware Features

Analog Inputs:
-Microphone & Instrument / Line: 1, In-to-USB &
USB-to-Analog Audio Stereo Out
-XLR Microphone: 2. Balanced w/switch able Phantom Power (+48v)
-Instrument / Line:
2, 1 / 4" Balanced high-impedance
(For electric guitar & bass)
-Input Channel Gain Knob: +40 dB max
Analog Outputs:
-Unbalanced Outs: 2, 1/ 4" (-10 dBV nominal, +1.7 dBV max)
Power USB (no transformer or batteries required)

Audio Performance

Supported Sampling Frequencies (Hz): 44100HZ

Outputs, 1 / 4" & Stereo line:
-Dynamic Range:＞ 100 dB (typical,-60dB input, A-weighted)
-S / N Ratio: ＞100 dB (typical, A-weighted)
-THD: -90dB (typical)

Inputs, Inst / Mic:
-Dynamic Range: ＞90 dB (typical,-60 dB input, A-weighted)
-Signal-to-Noise Ratio: ＞90dB (typical, A-weighted)

Inputs, Inst / Line:
-Dynamic Range: ＞90 dB (typical,-60 dB input, A-weighted)
-Signal-to-Noise Ratio: ＞90 dB (typical, A-weighted)

The RMAA Test Result:

Frequent(From 40 Hz to 15 kHz), dB:	+0.03, -0.31	Very good
Noise level, dB (A):	-91.8	Very good
Dynamic range, dB (A):	91.6	Very good
THD, %:	0.0073	Very good
IMD + Noise, %:	0.017	Very good
Stereo crosstalk, dB:	-90.6	Very good
IMD (10 kHz), %:	0.019	Excellent