

miditech Audiolink II



***"Class Compliant" USB Audio Interface
(WinXP/Vista/Win7/Mac OSX no drivers necessary)
16 Bit/ 48 kHz resolution line stereo interface
XLR Mic preamp with 48 V Phantom Power
and gain control
HI-Z guitar preamp
Hardware reverb
Adjustable stereo headphone output
Full duplex with compatible recording software
USB powered
Incl. Magix Samplitude SE
ASIO driver***

***Typical applications:
Recording from microphone, instruments and LINE devices,
e.g. cassette, cd-players or mp3-players
Low latency playing of VST instruments***

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Audiolink II USB audio interface Owner's Manual

Thank you for deciding to purchase the Miditech Audiolink II, we are certain you will be delighted with its performance and advanced features. This interface brings an unparalleled level of USB audio quality to the Mac or PC, with pristine 16-bit/48kHz A/D and D/A converters, ultra-low jitter clock, and low noise mic/line/hi-Z preamps. Audiolink II enables you to easily digitize all your analog sound sources, to record from microphones and instruments, and from any LINE level devices, e.g. music cassette decks or CD players etc. Not only does Audiolink II offer a simple solution to digitizing analog sounds, it also gives you the very best HiFi audio quality. The included recording software Magix "Samplitude SE" offers you the capability to edit previously digitized music or speech. These operating instructions will give you some guidance on how to install and operate your Audiolink II functions, also check the section on how to use the free bundled companion Magix program - "Samplitude SE".

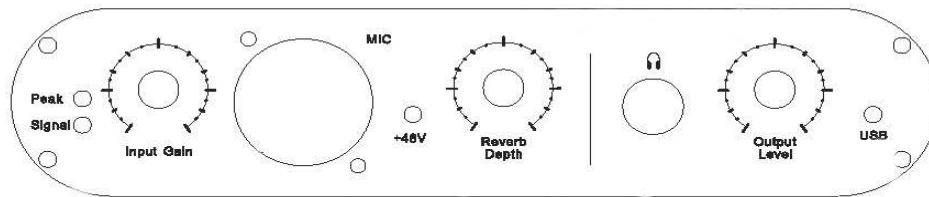
Audiolink II technical data and features:

- Simple computer connection via USB
- "Class Compliant" device - NO driver installation necessary, runs directly under Windows XP SP2, Vista and Windows 7 32 and 64 Bit
- 16 Bit AD/DA Converters, supported Sampling frequencies (Hz): 8000, 9600, 11025, 12000, 16000, 22050, 24000, 32000, 44100 & 48000
- Frequency response 10 Hz to 20 kHz, ± 1 dB @ 44.1 kHz sample rate - 10 Hz to 22 kHz, ± 1 dB @ 48.0 kHz sample rate
- Outputs Stereo: Dynamic Range: >95 dB (typical, -60 dB input, A-weighted)
- S/N Ratio: >95 dB (typical, A-weighted) - THD: -90dB (typical)
- Input XLR MIC: Dynamic Range: >90 dB (typical, -60 dB input, A-weighted) - Signal-to-Noise Ratio: >90 dB (typical, A-weighted)
- Inputs INSTR/LINE: Dynamic Range: >90 dB (typical, -60 dB input, A-weighted) - Signal-to-Noise Ratio: >90 dB (typical, A-weighted)
- Crosstalk -77 dB @ 0 dBV, 1 kHz
- Dynamic range: >95 dB (typical, -60 dB input, A-weighted)
- Adjustable stereo input for LINE level devices. +40 dB max
- Stereo output for LINE level devices. (-10 dBV nominal, +1.7 dBV max)
- HI-Z instrument input.
- MIC input and MIC with +48V phantom power input switchable
- Adjustable stereo headphone output for headphones.
- USB Powered, i.e. power supplied via USB connection of the computer
- Indicator-LEDs for peak and signal, 48V phantom power and USB power

System Requirements

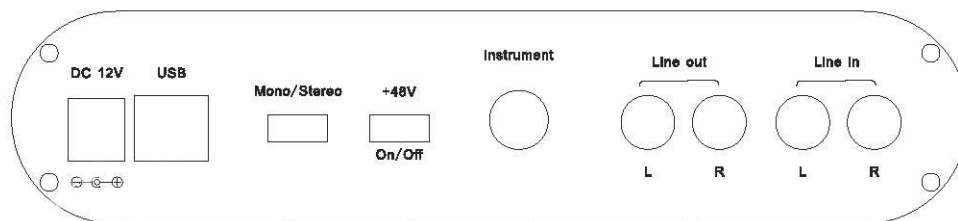
The Audiolink II has been designed to work with Windows XP, Vista and Windows 7

Hardware Setup



Front panel

Rear panel



Front panel

XLR MIC Input

This XLR balanced connector accepts an microphone level signal. Beside the MIC connector there is a LED to monitor the +48V phantom power.

MIC level control

This level control regulates the level of the signal going from the MIC input. Beside the MIC level control there are 2 LEDs to monitor the signal level and peaks.

Reverb Depth level control

This level control regulates the level of the hardware reverb on the input signal.

Headphone Output Jack

This stereo jack plays back outputs 1 and 2 through the Left and Right speakers of your headphones.

Headphone output level control

This level control regulates the level of the output signal from the headphone amp.

USB Power Indicator:

This LED indicator lights when the Audiolink II is receiving power through its USB port.

Rear panel

12V DC input jack

12V DC power input, the advantage to use an external transformer is you will get better S/N rate by the power grounding.

USB Jack

This jack connects the Audiolink to your computer, using a USB 1.1 (or higher) connection.

Mono/Stereo select

Switch to select between MIC/INST (mono) or LINE(stereo) input.

+48V Phantom power switch

Switch to select between MIC with or without phantom power (dynamic and condenser microphone).

Instrument Input

This 1/4"-IN connector accepts an instrument level signal.

LINE Output (stereo)

These unbalanced RCA outputs the signal, which is output from your computer and should be connected to a pair of powered speakers, a mixer or a stereo receiver.

LINE Input (stereo)

These inputs accept the line level stereo signal. If you are recording a stereo line-level source, plug the left channel into LINE Input 1 and the right channel into LINE Input 2.

Connection and operating devices:

The product case is printed with all relevant information! There are one XLR Mic socket, with the adjustment switches for the input level next to it on the front panel and one INSTRUMENT socket on the rear. On the front right side you can find the HEADPHONE Out and its leveler. On the opposite side there are 4 Phono (TRS) sockets for the In- and Output. Connect the LINE out sockets with a regular Phono (TRS/RCA) cable to an amplifier. All outputs, the LINE out and the headphone out, all provide the same mix.

USB Connection

The Audiolink II 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 Audiolink II into one of the built-in USB ports on your computer, not through a keyboard connection or USB hub.

To connect your Audiolink II, find the open jack of an unused USB port on your computer and connect it to the Audiolink II jack with the included USB cable. This computer's USB jacks will most often be located on a rear panel and will probably be marked with a USB symbol. In Windows XP, Vista and Windows 7, the Audiolink II is class-compliant, making driver installation optional—to begin using the Audiolink, you may simply plug the unit into a USB port. However, choosing to install the ASIO driver will allow the following added functionality:

Windows XP, Vista and Windows 7 - Device Control Panel and ASIO support with low-latency drivers.

Connecting the Audiolink II to your computer

Connecting the Audiolink II to a computer is very easy! Simply connect your Audiolink II, with the included USB cable, to a free USB port on your computer. When the Audiolink II is attached the red POWER LED lights up briefly to signal a good power supply to the Audiolink II. The installation under Windows will then take place automatically, a few seconds after connecting to your computer-system it will find a "USB Audio Codec" or "USB Audio Device", which can be used in each application and adjusted in the system control. Using the USB connection your digitized audio data can now be transferred to your computer!

MIC and INSTRUMENT Inputs

Connect your Microphone at the XLR input or your electric guitar on the Instrument input. If you use a Microphone, which needs phantom power you find the phantom power switch on the back side of the Audiolink II. You can adjust the input level of the Microphone with the Input leveler beside the XLR input socket.

LINE Input

Connect your Player device to the two TRS sockets marked „LINE input“ on the back side of the Audiolink II, you can connect any devices with a LINE level output, e.g. Tape deck or CD players.

LINE-Output (Stereo TRS Jacks)

Connect your amplifier to these outputs for monitor recordings or sounds from the computer.

HEADPHONE-Output (Stereo Jack 6,3 mm)

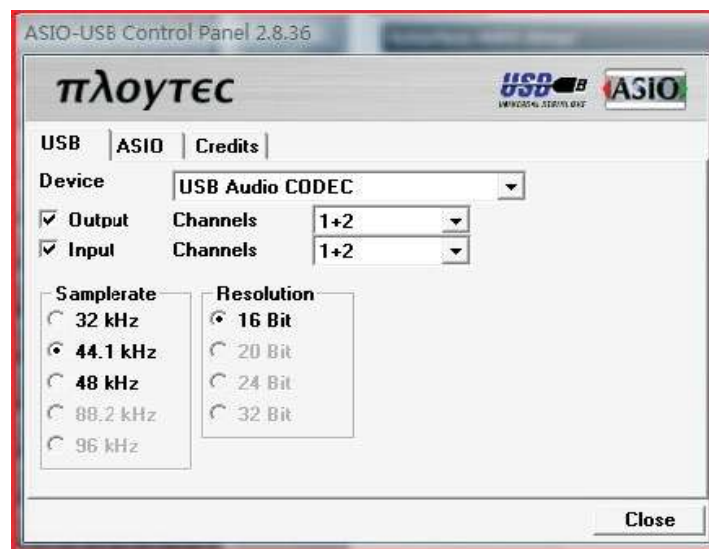
Connect your headphone to this output to monitor recordings or sounds from the computer.

SOFTWARE INSTALLATION

Windows XP/VISTA/Win 7 ASIO driver

On our website www.miditech.de you will find an ASIO driver for the Audiolink II, after download just execute the setup.exe and follow the instructions. After the installation you can find in each ASIO compatible recording software the Audiolink II ASIO control panel.

ASIO Control Panel



Note: Shorter latency time will occupy more CPU source, 4~11msec for average PC. If you hear some “POP...”, please drag it higher to 8~20msec.

References to the driver attitude under Windows audio sequencer programs such as Cubase, Sonar or Samplitude:

The Audiolink II runs under hard disk recording programs in the "Full Duplex Mode" (simultaneous admission and rendition) usually only with ASIO Multimedia drivers, the Windows WDM driver only permits one direction (admission or rendition) at the same time. We recommend that you download the Audiolink II ASIO driver from our homepage www.miditech.de. The ASIO driver makes it possible to use monitoring- and full duplex- modes. Additionally, the latency time of the audio signal will be substantially reduced.

Hard disk-recording software "Magix Samplitude SE"



The bundled software, which is shipped with the Audiolink II, is special software for multiple hard disk recording, cutting and editing recorded music and speech.

Regarding the driver set-up in "Samplitude SE"

To set-up the drivers for Audiolink II in "Samplitude SE", click the menus "options" and "system options" in the „audio set-up“. If you have installed the ASIO driver, you can adjust this here as a "record and play“ device - please choose the ASIO driver for the Audiolink II. Below this the actual latency time will be displayed after selecting the driver, also, by clicking the button „Attitudes“ you can adjust the buffer size and the latency time of the driver itself. The latency time is system-dependent and is different in different personal computers. Choose a value as low as possible, if you adjust too low you hear interference noises, set the buffer and latency time of the driver just above the noise threshold.

We hope you get a lot of enjoyment from this exciting program! After installation and activation via www.magix.de this version is fully functioning.

Further information on extensions, updates and other products from Miditech please check out our homepage <http://www.miditech.de>!

***Changes of the technical data and the design are possible
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