

Miditech Audiolink Pro USB



***"Class Compliant" USB Audio Interface
(WinXP/Vista no drivers necessary)***

24 Bit/48 kHz input resolution, 24 Bit/96 kHz resolution output

LINE in / LINE out stereo interface

***2 XLR Mic preamps with 48 V Phantom Power
with gain control***

2 HI-Z guitar preamps with gain control

Adjustable stereo headphone output

Full duplex with compatible recording software

USB powered

Includes Magix Samplitude SE

ASIO driver

Typical applications:

***Recording from a microphone, instruments and LINE devices,
e.g. cassette, CD-players or mp3-players***

Low latency playing of VST instruments

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Audiolink Pro USB audio interface Owner's Manual

Thank you for deciding to purchase the Miditech Audiolink Pro, we are certain you will be delighted with its performance and advanced features. This interface brings an unparalleled level of USB audio quality to a Mac or PC, with pristine 24-bit/96kHz A/D and D/A converters, ultra-low jitter clock, and low noise mic/line/hi-Z preamps. Audiolink Pro enables you to easily digitize all your analog sound sources, to record microphones, instruments and any LINE level devices, e.g. music cassette decks or CD players etc. Not only does Audiolink Pro 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 Pro functions, also check the section on how to use the free bundled companion Magix program - "Samplitude SE".

Audiolink Pro technical data and features:

- Simple computer connection via USB
- "Class Compliant" device - NO driver installation necessary, runs directly under Windows 2000 SP4, Windows XP SP2 and Windows Vista
- 24 Bit AD/DA Converters
- Sample rate 32.0 kHz, 44.1 kHz, 48.0 kHz and 96.0 kHz
- Outputs 1/4" and stereo LINE: dynamic range: >100 dB (typical, -60 dB input, A-weighted), signal-to-noise ratio: >100 dB (typical, A-weighted), THD -87 dB (typical)
- Inputs XLR MIC (balanced): dynamic range: >100 dB (typical, -60 dB input, A-weighted), signal-to-noise ratio: >100 dB (typical, A-weighted), THD -80 dB (typical)
- Inputs INSTR./LINE (1/4" balanced): dynamic range: 96 dB (typical, -60 dB input, A-weighted), signal-to-noise ratio: 96 dB (typical, A-weighted), THD -78 dB (typical), high-impedance (for electric guitar & bass)
- Stereo-LINE-input (1/4" balanced), Input Channel Gain Knob: +40 dB max
- Input Channel LEDs: Clip (Red) and Signal-Present (Green)
- Stereo-LINE-output (1/4" balanced, -10 dBV nominal, +1.7 dBV max)
- 2 XLR Microphone: balanced with switchable Phantom Power (+48 V)
- Adjustable stereo headphone output for headphones.
- USB Powered, i.e. power supplied via USB connection of the computer

System Requirements

The Audiolink Pro has been designed to work with Windows XP or Windows Vista

Windows PC:

Minimum Required:

- 350 MHz Pentium II
- 64MB RAM
- CD-ROM Drive
- Native USB 1.1 Port, on motherboard
- Windows 2000 (SP2), XP (SP1) Home or Pro (128 MB RAM required for XP Pro)

Recommended:

- 700 MHz Pentium III
- 128MB RAM

- CD-ROM Drive
- Windows 2000 (SP2), Windows XP (SP1) Home or Pro, Windows Vista

Hardware Setup

Front panel

The front panel of the Audiolink Pro provides the following functions:

- 1. Channel 1 XLR MIC Input :** This XLR balanced connector accepts a MIC level signal for Channel 1 of the Audiolink Pro. You can turn on the 48V phantom power for your condenser microphone if required.
- 2. Channel 1 Level LEDs:** These two LEDs show signal present and clipping for Channel 1. You should adjust the Gain control so that the signal present is as high as possible, but without the Clip LED coming on.
- 3. Channel 1 MIC Gain Knob:** This control regulates the level of signal for channel 1 Mic input.
- 4. Channel 2 XLR MIC input :** This XLR balanced connector accepts a MIC level signal for Channel 2 of the Audiolink Pro. You can turn on the 48V phantom power for your condenser microphone if required.
- 5. Channel 2 Level LEDs:** These two LEDs show signal present and clipping for Channel 1. You should adjust the Gain control so that the signal present is as high as possible, but without the Clip LED coming on.
- 6. Channel 2 MIC Gain Knob:** This control regulates the level of signal for channel 1 Mic input.
- 7. Direct Monitor Output Jack:** when this switch is pressed, you can hear the output sound direct from the analog input. When you turn your software monitor on, remember to turn the direct monitor off.
- 8. Headphone Output Jack:** This ¼“ stereo jack plays back outputs 1 and 2 through the Left and Right speakers of your headphones.
- 9. Headphone Level Knob:** This controls the level of the Headphone Out
- 10. Power Indicator:** This LED indicator lights when the Audiolink pro is receiving power from the USB port.

Rear panel

The rear panel of the Audiolink Pro houses features providing the following functions:

- 1. Output 1 and 2 Jacks:** This pair of balanced ¼“ jacks provide the output the signal from your computer and should be connected to a pair of powered speakers, a mixer or a stereo amplifier.
- 2. Input 1 and 2 Jacks:** Using this pair of balanced ¼“ jacks you can connect any LINE level device or instrument, these also provide HI-Z inputs for electric guitars and basses!
- 3. Phantom Power Switch:** Press this switch to the „In“ position to provide voltage to microphones that require phantom power on XLR Mic Inputs 1 and 2.
- 4. Phantom Power LED:** This switch lights when phantom power is switched on.
- 5. USB Jack:** This jack connects the Audiolink pro to your computer, using a USB 1.1 (or higher) connection.
- 6. Power connector:** for external 9V power supply.

Connection and operating devices:

The product case is printed with all relevant information! There are two XLR Mic sockets and the adjustment switches for the input level next to them. On the front right side you can find the headphone out and its level control. On the opposite side there are the ¼” LINE/INSTR. inputs, and

the LINE outputs. Connect the LINE out sockets with a regular ¼" jack cable to an amplifier. All outputs, the LINE out and the headphone out, all provide the same mix.

USB Connection

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

To connect your Audiolink Pro, find an unused USB port on your computer and connect it to the Audiolink Pro jack with the included USB cable. The computer's USB socket will most often be located on a rear panel and will probably be marked with a symbol looking something like the one pictured here. When used with Windows XP & Vista, the Audiolink Pro is class-compliant, making driver installation optional. To start using the Audiolink Pro, you may simply plug the unit into a USB port. However, choosing to install the driver will allow the following functions to be added:

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

Connecting the Audiolink Pro to your computer

Connecting the Audiolink to a computer is very easy! Simply connect your Audiolink Pro with the included USB cable, to a free USB port on your computer. When the Audiolink Pro is attached the red POWER LED lights up briefly to signal a good power supply to the Audiolink Pro. 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. By using this USB connection your digitized audio data can now be transferred to your computer!

MIC and MIC/Instrument inputs

Connect your Microphones to input 1 and/or 2, or your electric guitar etc., to the rear panel inputs! If you use a Microphone, which needs phantom power the phantom power switch is located on the rear panel of the Audiolink Pro. You can adjust the input levels for MIC/LINE/INSTR. channels 1 and 2 separately with the two Input level controls next to the XLR input sockets.

LINE inputs (stereo ¼" jacks)

Connect your line level device to the two ¼" sockets marked „LINE input“ on the rear panel of the Audiolink Pro. You can connect any devices with a LINE level output, e.g. Tape deck or CD player.

LINE-outputs (stereo ¼" jacks)

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

Stereo headphone-output

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

SOFTWARE INSTALLATION

Windows XP/VISTA

Follow these instructions to install the ASIO2ks ASIO drivers on a Windows XP/VISTA computer.

1. First connect the Audiolink Pro to your computer using the supplied USB cable, turn it on.
2. Windows will detect the new USB device and install the USB audio device automatically.
3. Insert the Software/Manual Installation CD into your CD-ROM drive. Find the asio2ks.cpl in the

AudioLink Pro series driver directory.

4. **Copy asio2ks.cpl into your System32 folder.**

5. **Go to Control Panel, double-click ASIO2KS and make your settings.**

8. Your Miditech Audiolink Pro is now ready to use.

Control Panel Setup



Once setup is complete, you can control most aspects of the Audiolink Pro using its control panel. To launch the control panel in your operating system, check the following instructions:

The control panel has the following sets of controls:

Configuration:

Device: Please choose the Audiolink Pro USB audio device.

Output: the 2 channel output of Audiolink Pro.

Format: you can set your Audiolink Pro playback sampling rate from 16bit/44.1kHz~24bit/96kHz.

Input: the 2 channel input of Audiolink Pro.

Format: you can set Audiolink Pro input sampling rate from 16bit/44.1kHz~24bit/96kHz.

Latency setting: shorter latency time will require more CPU resources, 4~11msec for an average PC. If you hear interference noise such as a “POP...”, increase latency to higher setting such as 8~20msec.

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

The Audiolink Pro runs under hard disk recording programs in "Full Duplex Mode" (simultaneous admission and rendition) but 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 Pro ASIO2ks ASIO driver from our homepage www.miditech.de, or copy it from the installation CD-ROM. The ASIO2ks 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 Pro, 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 Pro in "Samplitude SE", click the menus "options" and "system options" in the „audio set-up“. If you have installed the ASIO2ks driver, you can adjust this here as a "record and play" device - please choose the ASIO2ks driver for Audiolink Pro. 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 various 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>!

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