

Miditech Guitarface USB



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

16 Bit/ 48 kHz resolution LINE stereo interface

HI-Z instrument preamp

MIC preamp with 48V phantom power

Signal and peak indicator LEDs

Adjustable stereo headphone output

Full duplex with compatible recording software

USB powered

Incl. Magix Samplitude SE and IK Multimedia Amplitube 2 Duo

Typical applications:

LINE, instruments and MIC recordings

Low latency playing of VST instruments

OWNER`S MANUAL

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Operating Instructions

Thank you for deciding to purchase the Miditech Guitarface, we are certain you will be delighted with its performance and advanced features. Guitarface enables you to easily digitize all your analog sound sources from any LINE level devices, e.g. music cassette decks or CD players, etc. With its implemented HI-Z instrument preamp you can easily digitize instruments like electric guitars and basses. At last the integrated MIC preamp offers you the possibility to make microphone recordings. In addition to this Guitarface gives you a switchable phantom power for use with condenser microphones. Please read the instructions to use this phantom power carefully! If you use it in the wrong way, it may cause damage to your speaker system! Miditech doesn't take any responsibility for damage caused by improper use!

Not only does Guitarface offer a simple solution to digitizing analogue 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. The software "IK Multimedia Amplitube 2 Duo" gives guitarists some perfect simulated American guitar amps for use as standalone application or as a VST instrument. The operating instructions will give you some guidance on how to install and operate your Guitarface functions, also check the section on how to use the free bundled companion programs - "Magix Samplitude SE" and the amp-simulation from "IK Multimedia Amplitube 2 Duo".

Guitarface Technical data:

- Simple computer connection via USB
- "Class Compliant" device - NO driver installation necessary, runs directly under Windows 2000 SP4, Windows XP SP2 and Windows Vista
- 16 Bit AD/DA Converters
- Sample rate 32.0 kHz, 44.1 kHz, 48.0 kHz
- Frequency response 20 Hz to 20 kHz, ± 1 dB @ 44.1 kHz sample rate - 20 Hz to 22 kHz, ± 1 dB @ 48.0 kHz sample rate
- THD 0.05 % typical. @ -10 dBV, 1kHz
- Crosstalk -77 dB @ 0 dBV, 1 kHz
- Signal-to-noise ratio A/D 89 dB typical. @ 1 kHz, A-weighted - D/A 96 dB typical. @ 1 kHz, A-weighted
- Dynamic range: >86 dB (A)
- Adjustable stereo input for LINE level devices
- Stereo output for LINE level devices
- HI-Z instrument input
- Balanced 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

Connection and operating devices:

The product case is printed with all relevant information! There is one 6,3mm TRS jack socket and an adjustment switch for the input level next to it. On this side you find the input switch, it switches between LINE, instrument, MIC and MIC with +48V phantom power. On the opposite side there are two light-emitting diodes, the signal (green) and an overdrive (red) LED. On this side you find 2 Phono (RCA) sockets for the output. Connect these LINE out sockets with a regular Phono (RCA) cable to an amplifier. On the front of the Guitarface you find the 3,5mm TRS jack socket of the headphone output, the small wheel adjacent to the socket allows you to adjust volume. All outputs, the LINE out and the headphone out, all provide the same mix. Only in instrument mode the headphone out carries both PC sound and the instrument signal, you can adjust the input level of the instrument with the headphone output wheel to monitor the instrument directly. In this mode the

LINE out only carries the PC audio signal.

Connecting the Guitarface to your computer

Connecting the Guitarface to a computer is very easy! Simply connect your Guitarface, with the included USB cable, to a free USB port on your computer. When the Guitarface is attached the green LED lights up briefly to signal a good power supply to the Guitarface. 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!

LINE input

Switch the input adjustment switch to "LINE". Connect your Player device with a stereo cable to the 6,3mm TRS jack socket marked „Input“. Now adjust the input-level with the little wheel next to the input socket. You can connect any devices with a LINE level output, e.g. Tape deck or CD players.

Instrument input

Switch the input adjustment switch to "GUITAR". Connect your electric guitar or bass with a mono cable to the 6,3mm TRS jack socket marked „Input“. Now adjust the input-level with the little wheel next to the input socket. Note: the mono instrument will be played on both sides of the headphone out.

MIC input

Switch the input adjustment switch to "MIC". Connect your dynamic microphone to the 6,3mm TRS jack socket marked „Input“. Now adjust the input-level with the little wheel next to the input socket.

MIC with +48V phantom power input ATTENTION!

Please firstly connect your condenser microphone with a symmetric microphone cable to the 6,3mm TRS jack socket marked „Input“. Switch the input adjustment switch to "+48V". Please note, that switching the phantom power on makes a noise, that can damage your speaker system. Please REDUCE THE LEVEL of your amplifier BEFORE switching to "+48V"! After one minute the phantom power is ready to work! Now adjust the input-level with the little wheel next to the input socket.

Signal and peak indicator LEDs

The two LEDS indicate an incoming audio signal to the Guitarface. With a correct level the green signal LED lights up. The red peak LED only lights up when the signal level is too high, use the input level wheel to adjust the signal level down to just below peak

LINE-Output (Stereo RCA Jacks)

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

Headphone-Output (Stereo Mini Jack 3,5 mm)

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

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

The Guitarface 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 Guitarface ASIO driver from our homepage www.miditech.de, or use the "ASIO for ALL" driver for the Audioface under Windows XP. 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 Guitarface, 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 Guitarface in "Samplitude SE", click the menus "options" and "system options" in the „audio set-up“. If you have installed an ASIO driver, you can adjust this here as a "record and play" device - please choose the driver for Guitarface. 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.

Setting up "Amplitude 2 Duo" as a VST effect in "Samplitude SE"

To set-up the ampsimulation "Amplitude 2 Duo" in "Samplitude SE", click the menus "options" and "system options" in the „effects set-up“. In "VST/DirectX setup" you can adjust the VST plugin folder, please choose the folder, where the VST version of "Amplitude 2 Duo" is installed. In a track of Samplitude you can now choose under "plugins" to use the virtual amplifiers of "Amplitude 2 Duo"!

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.

Guitar amp simulation software "IK Multimedia Amplitude 2 Duo"



IK Multimedia`s software “Amplitube 2 Duo” is a guitar amp simulation with 2 different amplifiers and 30 presets of american guitar amplifiers. You can use it standalone or as a VST effects plugin, with Samplitude, Cubase, Sonar or any other VST compatible sequencer software.

If you run “Amplitube 2 Duo” standalone, please download and install our ASIO driver for the Guitarface first from our homepage www.miditech.de! You can setup the Guitarface with it`s ASIO driver in the “settings” and “audio setup” menu. Here you can adjust the sample buffers, which has direct influence to the latency times of the Guitarface. 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.

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

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