



## subzero BASE-2 HOME RECORDING BUNDLE User Manual

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### WARNING!

Do not open cover. No user-serviceable parts inside. Refer servicing to qualified service personnel

Do not place the product in a location near a heat source such as a radiator, or in an area subject to direct sunlight, excessive dust, mechanical vibration or shock

The product must not be exposed to dripping or splashing and no objects filled with liquids, such as vases, shall be placed on the product

No naked flame sources, such as lighted candles, should be placed on the product

### INTRODUCTION

Thank you for purchasing the SubZero BASE-2 Home Recording Bundle.

To help you get the most out of your new device, please read this manual carefully.

### INCLUDED IN THIS BUNDLE

- SubZero SZ-AI2 2x2 USB Audio Interface
- SubZero SZC-300 Condenser Microphone
- SubZero SZ-MH200 Monitoring Headphones
- XLR Cable, 6m
- Microphone Pouch
- Screw-on Mic Clip
- Bitwig 8-Track

### MAIN FEATURES

The SubZero BASE-2 Home Recording Studio Bundle is the ultimate studio solution.

Powered by plug-and-play USB 2.0 for an easy setup, the SubZero SZ-AI2 audio interface is simple to use with your favourite software and instantly turn anywhere into a recording studio.

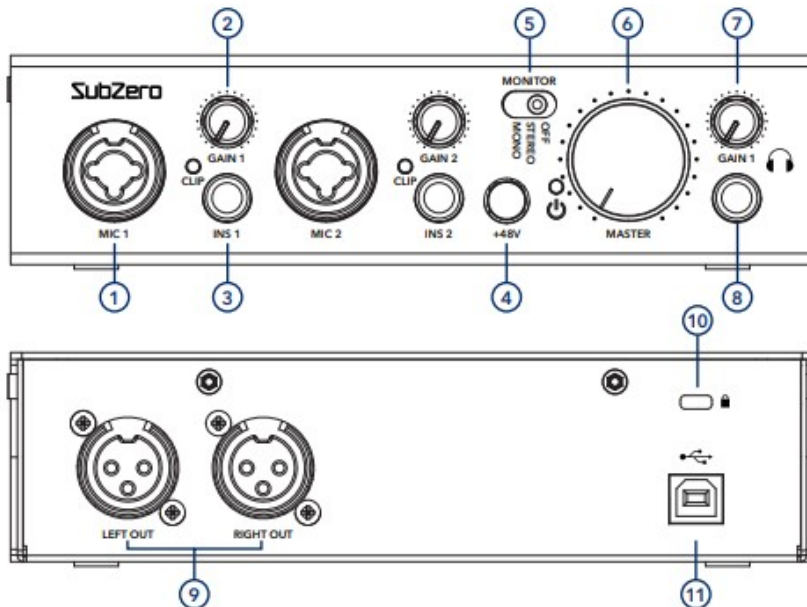
Thanks to the +48v phantom power integrated to the interface, you will be able to connect the included SubZero SZC-300 Condenser Microphone to record with high quality and efficiency, making it ideal for broadcasting, podcasting, live performances and home studio recording.

Featuring two independent input channels, each strip includes a low-noise preamp, which you can switch

between high and low impedance to optimise for your chosen sound source being a microphone or an instrument. You can switch the headphone output between stereo, mono, or off –useful options when mixing. There's also an independent volume control for headphones.

The interface includes a laptop lock input on the rear of the unit, so you can secure your interface with an anti-theft system.

## PARTS AND FUNCTIONS



### 1. MICROPHONE/INSTRUMENT LINE INPUT

Combination XLR / TRS input, connect microphone or instrument to this

### 2. GAIN KNOB

Controls the input volume from your microphone or instrument, the clip light indicates if you have clipped the signal.

### 3. INS BUTTON

Switching between low impedance for microphone input or high impedance for guitar / instrument input.

### 4. +48V BUTTON

Enables +48v phantom power for condenser microphones.

### 5. MONITOR SWITCH

Selects the type of audio received when monitoring using the headphone output of the interface, stereo, mono or off.

### 6. MASTER KNOB

Allow easy control of the master output volume.

## **7. HEADPHONE GAIN KNOB**

Controls the headphone volume output.

## **8. HEADPHONE OUTPUT**

1/4" TRS Output to connect with your headphones.

## **9. LEFT OUT / RIGHT OUT**

Balanced XLR Outputs to connect to studio monitors, amplifier or external mixing desk.

## **10. LOCK CONNECTOR**

Connect a laptop lock connector to prevent the unit from being stolen

## **11. USB CONNECTION PORT**

Connects your interface to your computer with supplied USB Cable.

## **INSTALLATION**

Simply connect to your SubZero SZ-AI2 2x2 USB Audio Interface via an available USB 2.0 port. There is no need for external power as this unit draws its power from the USB port. After the connection of the interface, the operating system automatically detects it as a new hardware device. Modern operating systems like Windows Vista/7/8/10 or Mac OS X usually detect the hardware directly and installs the correct USB audio drivers automatically.

You can use the SZ-AI2 now in typical consumer audio applications that do not need special professional ASIO driver support. For example, this could include Windows programs used for DVD playback or more simple DJ applications that don't require ASIO.

The SubZero SZ-AI2 2 Channel Audio Interface is a high-resolution device capable of advanced processing of audio content. It is built to have low-CPU resource needs, but the unit will perform better on a system with higher specification. For more information on this, see minimum system requirements below.

Connect the SubZero SZC-300 Condenser Microphone to the SubZero SZ-AI2 2x2 USB Audio Interface via the included XLR cable to the Mic 1 or Mic 2 input. Please ensure the +48V is enabled as the SZC-300 condenser microphone requires phantom power to function correctly.

We recommend switching between low impedance for microphones or high impedance for guitar/ instruments thanks to the INS 1 or INS 2 knobs.

## **MINIMUM SYSTEM REQUIREMENTS**

PC – Windows Vista / 7 / 8 / 8.1 or 10 (32 or 64 bit)  
with 1 available USB 2.0 port.

MAC – Mac OSX 10.7 or Higher with 1 available USB 2.0 port

## **DRIVER AND SOFTWARE INSTALLATION (WINDOWS)**

This text explains how to install the SubZero SZ-AI2 under Windows 10. If you use Windows Vista, Windows 7, Windows 8 or Windows 8.1, the steps are basically the same. Make sure to install the driver before connecting

the interface. You can find the drivers on the Gear4music website.

To start the installation, launch the setup program, which is an .exe file that is inside a recent driver download from the Gear4music website. The link is below: <https://www.gear4music.com/driver-downloads> Alternatively, you can find the driver in the

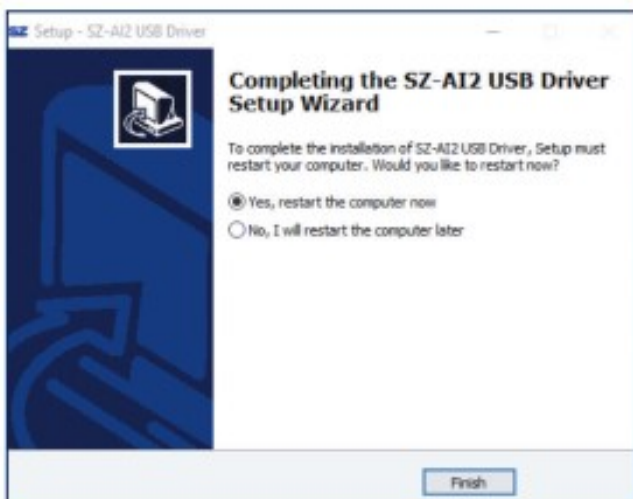
Windows folder of the included Installation DVD, by double clicking on it. Typically the filename is something like SZ A12 USB vX.YY\_setup.exe where X.YY is the version number of the driver. When launching the installer, Windows might display a security message. Make sure to allow the installation. For information about the EV certificate, contact Gear4music Customer Service on the contact details at the end of the manual. After that, the following dialog on the left will appear.

Click Next.



Now click Install. Files are now being copied.

You will be prompted with a Windows Security message. Confirm it by clicking Install. After a while the installation then will be completed, and the following dialog will appear:



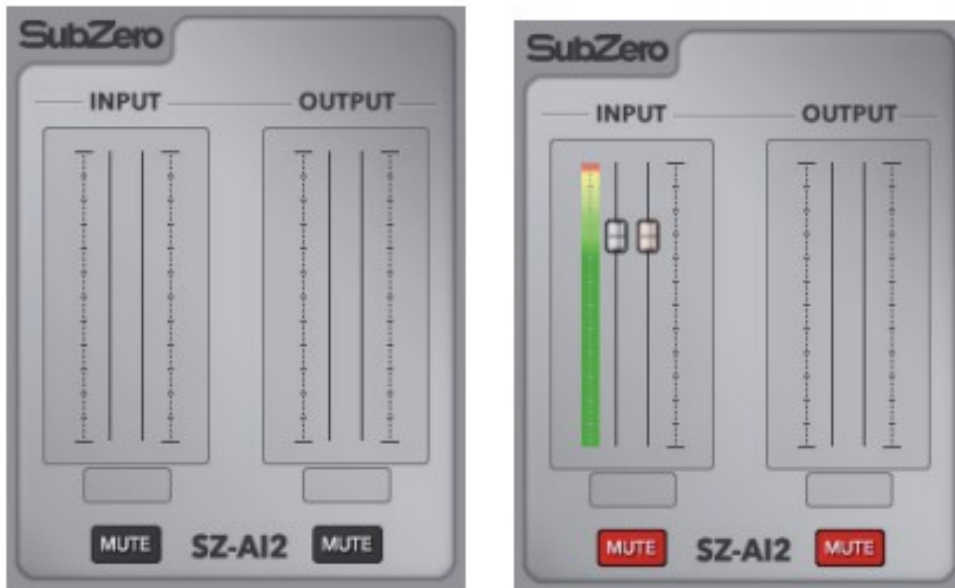
Once you see the window on the above, click Finish. We strongly suggest to select Yes, restart the computer now and then click Finish. You can connect the interface to your computer anytime if not done yet. Windows will automatically setup the system so you can use the device. Once the system starts again and you are logged in with the hardware connected, you will see that the interface control panel is now automatically being loaded by looking at the SZ icon in the taskbar notification area. If you can see it, the driver installation has been completed successfully.

## WINDOWS AUDIO SETTINGS

In the Windows Control Panel (under Hardware and Sound > Sound), you can select the default playback device that is used by all audio applications that don't have their own preferences, you can select the SZ-AI2 and make it your default audio playback device. However, most DAW recording software will allow you to set up an additional output, allowing you to just use the interface for sending sound to active studio monitors whilst recording, for example.

## CONTROL PANEL UNDER WINDOWS

This is the SubZero control panel, where you can edit parameters of the interface. The controls are simple and intuitive to use, and are as follows.



The control panel gives an indication when the audio interface is active and ready to use. You can see this when the mute buttons turn from grey colour to dark red colour, and when the level adjustable audio level indicators appear. If these two parts are not showing, there is a connection issue, meaning the audio interface is not active.

When active, you can edit the input and output levels of the audio from this screen, with an interactive level indicator showing you the level in real time. You can also mute inputs and outputs using the MUTE button at the bottom of the panel.

Pre-sets can be saved and loaded. Simply click File > Pre-set > Save/Load to carry out these tasks. This allows you to save your level settings so that they are the same each time you use the audio interface.

Sample rates, latency and buffer number can all be edited in the config menu.

## CONTROL PANEL UNDER MAC

Mac OS X already provides support for class compliant USB audio devices such as the SZ-AI2. This means that no software or driver needs to be installed to use this interface under Mac OS

1. Simply connect the unit with the supplied USB cable to your Mac and you can start using it. To make the usage simpler, a control panel application is included that can be installed from the included DVD (Mac OS X folder) or downloaded from the Gear4music. To install it, open the .dmg file and then you can drag the control panel icon into your application folder.

Controlling some of the basic interface options under Mac OS X can also be done via the Audio MIDI Setup

utility from Mac OS X.

## **BITWIG STUDIO 8-TRACK**

Your Base-2 pack comes with a free edition of Bitwig Studio 8-Track, a great way to produce, record, and perform like a pro.

Bitwig Studio 8-Track is a great way to produce, record, and perform like a pro. As with every Bitwig product, 8-Track was designed around a lightning-fast workflow and a substantial library of devices and sounds. Connect your controller, record yourself, produce an arrangement, design new sounds, or just jam. Modern music production, ready to go.

### **FEATURES:**

- Full music-production environment for Windows, macOS, and Linux
- Perform interactively with clips
- 2,000 sounds and more than 60 instrument/FX devices included
- Plug-and-play MIDI controller support
- Multiple sync options, including Ableton Link
- Panel-based interface for professional audio/ MIDI editing
- Multitouch support (for Windows and Linux)
- Modulators that attach to any device or plug-in
- Native VST 32-/64-bit bridge and crash protection
- Flexible routing: send any signal anywhere
- MPE support, for expressive parameter control
- Nested devices, allowing complex structures within simple presets

### **INSTALLATION:**

Firstly, register an account on the Bitwig website. This can be done by following the below link:  
[www.bitwig.com/register](http://www.bitwig.com/register)

Follow through the registration process as prompted on the website.

Once this has been completed, you are ready to download Bitwig 8-Track. Follow the link below to the download webpage, which gives you the download options for Windows, Mac or Linux operating systems. Please note, the download of Bitwig 8-Track is the same as the one for Bitwig Studio. [www.bitwig.com/download](http://www.bitwig.com/download).

Once you have downloaded the software, follow the on-screen prompts for installing to your computer.

You must also register the software to your account. You will require the unique serial number, which is located on the download card, inside the box. You can do this either online, or when you open Bitwig for the first time. Please note, you can install Bitwig 8-Track on to two operating systems.

### **MINIMUM OPERATING REQUIREMENTS:**

All details on system requirements can be found on the below link: <https://www.bitwig.com/en/support/faq.html>  
If you have any further questions about how to use this software, please consult the FAQ page at

<https://www.bitwig.com/en/support/faq.html> or consult the manual included in your download. Bitwig is a



registered trademark of Bitwig GmbH, registered in the European Union and other countries.

## **SPECIFICATIONS**

### **SUBZERO SZ-AI2 2X2 USB AUDIO INTERFACE**

#### **INPUTS**

Preamp..... 1 per channel  
Type..... 2x XLR/TRS

Combination Inputs Frequency Response      20Hz-20kHz

Impedence..... 10kOhm line input,

3.3kOhm microphone input, 500kOhm Hi-Z input

Max Input Level..... +20dBu line input,

+4dBu microphone input, +12dBu Hi-Z input

Phantom Power..... +48v Switchable

#### **OUTPUTS**

Type 2 x XLR  
Frequency Response      20Hz – 20kHz  
Max Output Level..... +4dBu

#### **AUDIO**

Max 24-bit / 96kHz  
ADC Dynamic Range      102dBA@48kHz  
DAC Dynamic Range      108dBA@48kHz

#### **POWER REQUIREMENTS**

- USB 0, Type B
- Bus-Powered Via Computer

#### **SYSTEM REQUIREMENTS AND SUPPORTING SOFTWARE:**

##### **PC**

- Windows/Vista / 7 / 8 / 1 or 10 (32 or 64 bit)
- Driver May be Required – Included / Available as a download from Gear4music

##### **MAC**

- OSX 7 or Higher
- No Driver Required (Optional control panel software available as a download from Gear4music)

## SUBZERO SZC-300 CONDENSER MICROPHONE

Model..... Condenser  
 Polar Pattern..... Uni-directional  
 Cardioid Frequency Response 30Hz – 20kHz  
 Sensitivity..... -36dB ± 2dB  
 Output Impedance..... 150Ω±30 (at 1kHz)  
 Equivalent Noise Level..... 20dB  
 Max S.P.L..... 132dB  
 S/N Ratio..... 74dB  
 Power requirement..... 48V Phantom Power

Electrical Current..... 3mA  
 Weight..... 100g  
 Body Dimensions..... 46 x 150mm

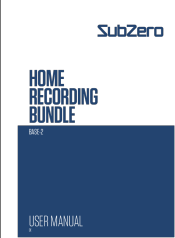
## SUBZERO SZ-MH200 MONITORING HEADPHONES

Driver size..... 53mm  
 Sensitivity..... 94 +/- 3dB




Impedance..... 60Ω  
 Max Power..... 1200mW  
 Frequency range..... 10Hz – 20kHz  
 Cable length..... 3m  
 Type of cable..... Attached, straight  
 Plug..... Gold-plated 3.5mm stereo  
 Adapter..... Gold-plated 6.3mm stereo









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## Documents / Resources

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