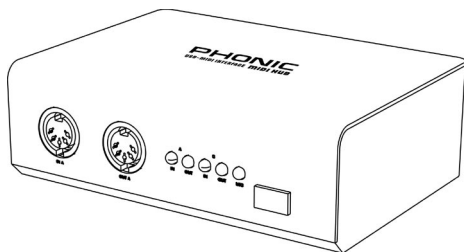


# PHONIC

## MIDI Hub



ENGLISH

User's Manual



# MIDI Hub

## USER'S MANUAL

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## **SAFETY INSTRUCTIONS**

1. Read all instructions carefully before using MIDI Hub.
2. Keep this user's manual for future reference.
3. Please carefully follow all instructions.
4. You should use properly functioning cables in good repair to connect all devices to MIDI Hub.
5. Do not try to service this product yourself. If servicing is required, contact your local service center.

## **INTRODUCTION**

Thank you for purchasing MIDI Hub, a two input/two output MIDI USB interface with MIDI throughput. MIDI Hub requires no installation because it uses a super-fast USB connection to join your MIDI devices, like synthesizers and rhythm machines, with sequencer software on your computer. Each port offers 16 MIDI channels, for a total of 32 MIDI input channels and 32 MIDI output channels. MIDI Hub features true plug-'n-play compatibility without the need to configure IRQ, I/O addresses or DMA channels. Ease of use, power and portability all combine to make MIDI Hub a robust tool for aspiring electronic musicians and anyone who uses MIDI.

## BOX CONTENTS

MIDI Hub USB MIDI Interface

One standard USB cable

User's Manual

## FEATURES

USB 2.0 MIDI interface (compatible with most PC and Mac computers)

Two inputs

Two outputs

32 MIDI input channels

32 MIDI output channels

Input/Output signal indicators

"MIDI Thru" button allows throughput even when MIDI Hub is not turned on

USB bus powering

No drivers required to operate

Compact and lightweight

Optional power adapter

## **SYSTEM REQUIREMENTS**

### **Windows**

Microsoft® Windows® XP

Available USB port

Intel Pentium® III processor or equivalent AMD processor

Motherboard with Intel or VIA chipset

UDMA 66/100 7200rpm hard disk drive

256 MB or more of RAM

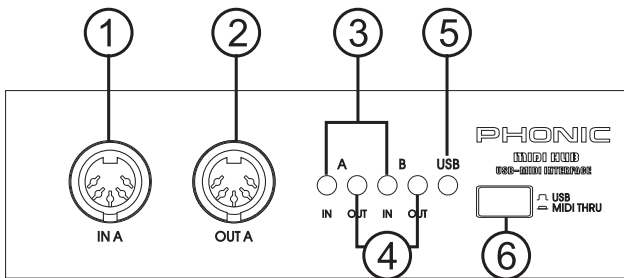
### **Macintosh**

OS X 10.x or later with native USB support

G3 or newer processor (excluding the original PowerBook G3)

256 MB or more of RAM

**Note:** MIDI Hub may have problems interfacing properly with computers that have older motherboards that use OHCI (open host controller interface).



## FRONT PANEL DESCRIPTION

### 1) MIDI In A Port

This is a standard MIDI port. It accepts input from MIDI devices using a 5-pin MIDI DIN connector.

### 2) MIDI Out A Port

This is a standard MIDI port. It outputs to MIDI devices using a 5-pin MIDI DIN connector.

### 3) MIDI Input LED Indicators

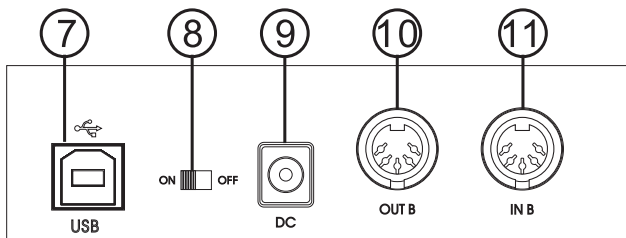
### 4) MIDI Output LED Indicators

### 5) USB Power Indicator

The LED will illuminate to indicate that MIDI Hub is powered on and ready to send and receive signals. The computer must be turned on and MIDI Hub must be connected to a properly functioning USB port on the computer.

### 6) USB/MIDI Thru Switch

Leave this switch out to operate in USB mode. Press this switch in to operate in MIDI Thru mode. MIDI Thru mode matches corresponding input and output ports. For example, signals going into 'IN A' will come out of 'OUT A'. The computer does not need to be turned on to use the MIDI Thru function.



## REAR PANEL DESCRIPTION

### 7) USB Port

Connect one end of the supplied USB cable here and the other end to one of the computer's available USB ports.

### 8) DC Power ON/OFF Switch

To power MIDI Hub from an external power source, connect a DC power adapter and turn this switch ON. When the device is connected to the USB port of an active computer, turn the switch OFF to power MIDI Hub from the USB bus. This switch gives the user the option to power MIDI Hub from an external power supply when operating in connection with a laptop, thus allowing the user to save laptop battery power.

### 9) DC Power Jack

The DC power jack is for powering MIDI Hub with an external DC power adapter. Please use a DC power adapter with a 5-9V, 500mA-1A power output. (DC power adapter sold separately.)

### 10) MIDI Out B Port

This is a standard MIDI port. It outputs to MIDI devices using a 5-pin MIDI DIN connector.

### 11) MIDI In B Port

This is a standard MIDI port. It accepts input from MIDI devices using a 5-pin MIDI DIN connector.

## INSTALLATION

- 1) Leave all MIDI IN and OUT ports disconnected until installation is complete.
- 2) Connect the Series A end of the USB cable to a USB port on the computer.
- 3) Connect the Series B end of the USB cable to the USB port on MIDI Hub.

**Note:** If you need a longer USB cable they are available for purchase at most computer and office supply stores. However, do not use a USB hub to extend the length of the USB cable. It may cause problems and loss of data. Use only a single cable between MIDI Hub and the computer.

## OPERATING SYSTEM SETUP

There is no need to install drivers for MIDI Hub. It works with the core audio driver in Microsoft® Windows® and Apple® Macintosh® computers. However, please note under "System Requirements" that MIDI Hub does not work with all operating systems.

### Windows XP

To confirm that MIDI Hub has been installed correctly, go to 'Control Panel' and double-click on 'System'. The 'System Properties' box will open. Select the 'Hardware' tab, and then click the button under 'Device Manager'. The 'Device Manager' box will open. Single-click the plus sign (+) next to 'Sound, video and game controllers' to expand the selection and double-click 'USB Audio Device'. The 'USB Audio Device Properties' box will open. Next to 'Location:' it should read 'USB Device'.

### Mac OS X

To confirm that MIDI Hub has been correctly installed in Mac OS X 10.2 (Jaguar) or later, go to the 'Applications/Utilities' folder and open the 'Audio MIDI Setup' application. When the 'Audio MIDI Setup' window opens, select the 'MIDI Devices' tab. The 'USB Device' icon should appear in the window.

## **SOFTWARE SETUP**

This section only contains basic MIDI software setup. For more detailed information on how to setup MIDI Hub to work with your software, please refer to the software's manual.

### **Windows**

#### **Cubase SX**

Find the 'in.' and 'out.' drop-down boxes on the left side of the application window halfway down. Click on the arrow to the right of each box and select 'USB Audio Device'. Do this operation for both boxes.

#### **Giga Studio**

To set the inputs and outputs as 'USB Audio Device' select the 'Hardware/Routing' tab, and in the 'Midi In to MIDI Out Mapping' section confirm the settings under 'Midi In Ports'.

#### **Logic**

You have the option to select a port for a MIDI track and to choose whether or not to transmit the MIDI clock. To select a port for a MIDI track open the 'Arrange' window and select the MIDI track you want in the instrument parameter box.

For better performance, uncheck 'Transmit MIDI clock' under 'MIDI' in 'Synchronisation'.

#### **Reason**

Open 'Edit', then select 'Preferences' and 'MIDI'. Under 'Sequencer' select 'USB Audio Device' from the 'Port' drop-down box.

#### **Sonar**

Select 'Options' and click on 'MIDI Devices'. Under 'Inputs' and 'Outputs' highlight all 'USB Audio Device' selections and click 'OK'.

## Mac

### Cubase SX

Click on the arrow next to 'MIDI 01' in the Inspector section to expand it. Find the 'in:' and 'out:' drop-down boxes on the left side of the application window halfway down. Click on the arrow to the right of the 'in:' box to select 'Port 1', 'Port 2' or 'All MIDI Inputs'. Click on the arrow to the right of the 'out:' box to select 'Port 1' or 'Port 2'.

### Logic

To select a port for a MIDI track open the 'Arrange' window and select the MIDI track you want in the instrument parameter box.

### Nuendo

In the Track List area, select 'Port 1' or 'Port 2' from the drop-down box under 'MIDI 01'.

### Reason

Open the 'Preferences' window and select the 'MIDI' page. Under 'Sequencer' select 'Port 1' or 'Port 2' from the 'Port' drop-down box.

## TROUBLESHOOTING

- 1) I cannot send or receive large amounts of system exclusive (SYSEX) data.

Make the SYSEX data buffer size larger than the amount of data you want to handle. If you cannot change the SYSEX data buffer size, you can install Cakewalk, Sonar or MIDI-OX. You can download a trial version of MIDI-OX at [www.midiox.com](http://www.midiox.com).

### Cakewalk/Sonar

After installing Cakewalk or Sonar, find the folder 'Cakewalk' in the 'Program Files' directory on the computer's (C:) drive. Open the file 'TSSEQ.INI'. Start a new line at the bottom and type "SysxSendPacketSize=n", where "n" stands for a number you select as the buffer size. (Make sure that the buffer size is larger than the Send/Receive data.) Save the file and restart the program.

### MIDI-OX

After installing MIDI-OX, go to 'View', then 'Sysex' and select 'Configure'. Set the 'Low Level Input Buffers' and 'Low Level Output Buffers' so that the buffer size is larger than the Send/Receive data. You may not need to set the input buffer size.

## PURCHASING PHONIC GEAR AND OPTIONAL ACCESSORIES

To purchase Phonic gear and optional accessories, please contact an authorized Phonic distributor. For a list of nearby Phonic distributors please visit our website at [www.phonic.com](http://www.phonic.com) and click on Get Gear. You may also contact Phonic directly and we will assist you in locating a distributor:

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Tampa, FL 33634

(813) 890-8872

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U.S. inquiries please e-mail us at:

[techsupport@phonic.com](mailto:techsupport@phonic.com)

International inquiries please e-mail us at:

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