USB Hub-Audio Series

January 1999

A15-0157-110

FCC COMPLIANCE STATEMENT:

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

INFORMATION TO USER:

This equipment has been tested and found to comply with the limits of a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation; if this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

1. *Reorient / Relocate the receiving antenna.*
2. *Increase the separation between the equipment and receiver.*
3. *Connect the equipment into an outlet on a circuit difference from that to which the receiver is connected.*
4. *Consult the dealer or an experienced radio/TV technician for help.*

CAUTION: Changes or modifications not expressly approved by the manufacturer responsible for compliance could void the user's authority to operate the equipment
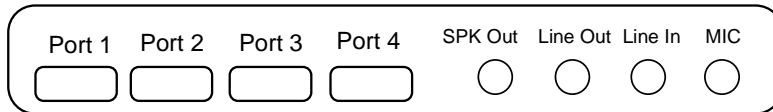
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USB Hub-Audio

Introduction

Thank you for choosing our USB series products. We provide USB Hub, USB Audio and USB Hub-Audio which are combinations of Hub and audio.
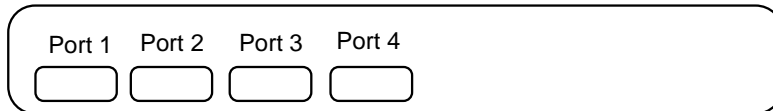The following diagrams show you the back plates of the different devices.
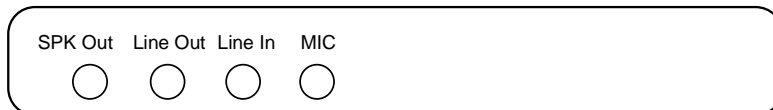
Back Plate for USB Hub-Audio (Xtend K90)

Port 1   Port 2   Port 3   Port 4   SPK Out   Line Out   Line In   MIC

Back Plate for USB Hub-Audio (Xtend K85)

Port 1   Port 2   Port 3   SPK Out   Line Out   Line In   MIC

Back Plate for USB Hub (Xtend K80)

Port 1   Port 2   Port 3   Port 4

Back Plate for USB Audio (Xtend K50)

SPK Out   Line Out   Line In   MIC

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USB Hub Device Driver Installation Under Windows   98

1.) After starting up your Microsoft   Windows   98 operating system, the "Add New Hardware Wizard" dialog box will be displayed on your screen. Click on "Next>".

Fig.1

2.) The "Add New Hardware Wizard" dialog box appears, asking you what Windows should do. Please choose "Search for the best driver for your device. (Recommended)", and click on "Next>".

Fig.2

3.) You will receive the following dialog box. Select "CD-ROM drive" and click on "Next>" again. Please make sure that before you click on "Next>", the Windows 98 CD-title has been inserted into your CD-ROM drive.

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Fig.3

4.) If Windows 98 could not find the correct driver program, the next dialog box will appear on your screen automatically.

Fig. 4

5.) The "Insert Disk" dialog box may appear and ask you to insert the Windows 98 CD-ROM. Just insert it and continue by clicking on "OK".
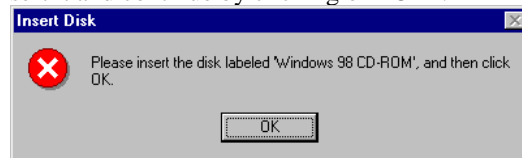

Fig.5

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6.) The "Copying Files..." dialog box as shown below appears. Please specify the path of the device driver files as **E:\Win98**, assuming your CD-ROM drive is E. Click on "OK".
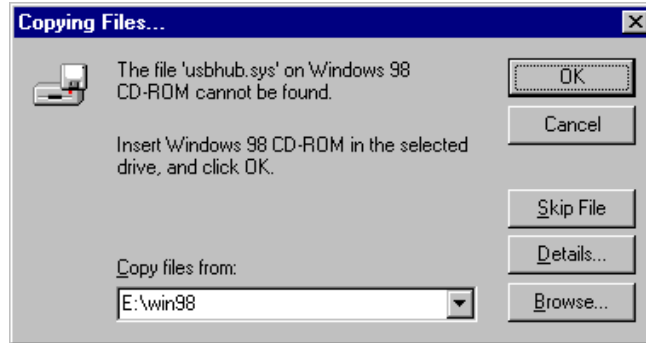
 Fig.6

7.) The "Add New Hardware Wizard" dialog box appears again. Click on "Finish" and the installation of the software for your new hardware device has been finished.

 Fig.7

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Verifying Correct USB Hub Device Driver Installation

If you want to view the correct installation of the device driver for your new hardware device, please follow the steps as described below.

1.) Go to >"Start"/ >"Settings"/ >"Control Panel" and double-click on the **"System"** icon.
2.) The "System Properties" dialog box appears. Choose the "Device Manager" tap and double-click on "Universal serial bus controller". You will see the following device has been added:

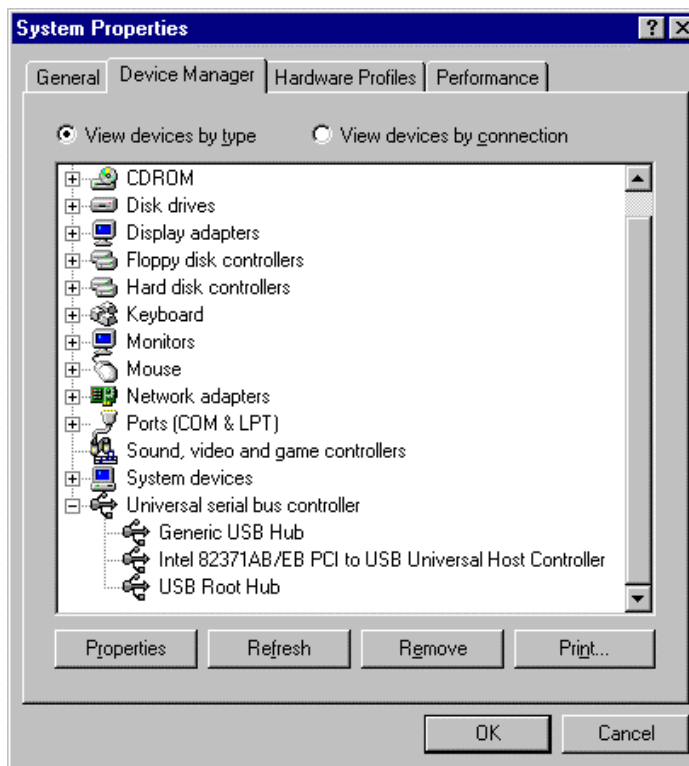   Under **"Universal serial bus controller"**:
           ⇒   Generic USB Hub

Fig.8

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USB Audio Device Driver Installation Under Windows   98

1.) After starting up your Microsoft   Windows   98 operating system, the "New Hardware Found" dialog box will be displayed on your screen. Then a dialog box as displayed below appears. Please click on the "Next>" push button.

Fig.9

2.) The "Add New Hardware Wizard" dialog box appears, asking you what Windows should do. Please choose "Search for the best driver for your device. (Recommended)", and click on the "Next>" button. Same as Figure 2 on page 3.

3.) You will receive the next dialog box. Select "CD-ROM drive" and click on the "Next>" push button again. Please make sure that before you click on the "Next>" button, the Windows 98 CD-title has been inserted into your CD-ROM drive. Same as Figure 3 on page 4.

4.) If Windows   98 could not find the correct driver program, the next dialog box will appear on your screen automatically.

Fig.10

5.) Just click on the "Next>" button and you will receive a dialog box as shown below. Please click on the "Finish" push button.

Fig.11

6.) The next "Add New Hardware Wizard" dialog box will display the message "USB Human Interface Device". Please continue by clicking on the "Next>" push button.

 Fig.12

7.) Please choose "Search for the best driver for your device (Recommended)", and click on the "Next>" push button. Same as Figure 2 on page 3.

8.)   Please make sure your Windows 98 CD-title has been inserted into your CD-ROM drive. Activate the box "CD-ROM drive" and click on the "Next>" push button. Same as Figure 3 on page 4.

9.) The following dialog box will display the message "USB Human Interface Device". Accept the location of the driver by clicking on the "Next>" push button.

 Fig.13

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10.) The dialog box displayed below will inform you that Windows has finished installing the software for your new hardware device. Click on the "Finish" push button.

Fig.14

11.) Now Windows will search for the new drivers for "USB Audio Device". Click on the "Next>" push button.

Fig.15

12.) Please choose "Search for the best driver for your device (Recommended)", and click on the "Next>" push button. Same as Figure 2 on page 3.

13.) Please make sure your Windows 98 CD-title has been inserted into your CD-ROM drive. Activate the box "CD-ROM drive" and click on the "Next>" push button. Same as Figure 3 on page 4.

14.) The following dialog box will inform you that Windows is searching for the "USB Audio Device". Please click on the "Next>" push button to accept the location of the device driver.

Fig.16

15.) Windows 98 has finished installing the software for your new hardware device. Just click on the "Finish" push button.

Fig.17

Congratulations! All installation procedures for the USB Audio device driver are complete, but you still have to ensure that the USB Audio works correctly.
Please follow the next instructions step by step.

Verifying Correct USB Audio Device Driver Installation

1.) Click on the "Start" button from your Microsoft Windows 98 task bar. Select "Settings", point at the "Control Panel" item and click on it. The "Control Panel" window will appear. Choose the "System" icon, double-click on it and a dialog box as displayed below will appear.
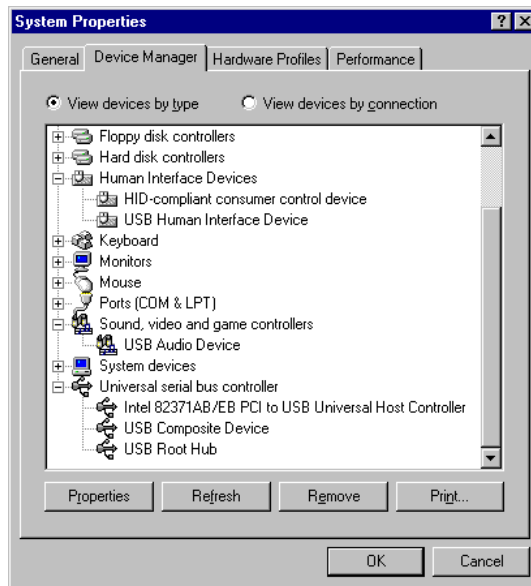

Fig.18

2.) From the "System Properties" dialog box select the "Device Manager" tap. The following devices have been added to your system:

Under **"Human Interface Devices"**:
$\Rightarrow$ HID-compliant consumer control device
$\Rightarrow$ USB Human Interface Device

Under **"Sound, video and game controllers"**:
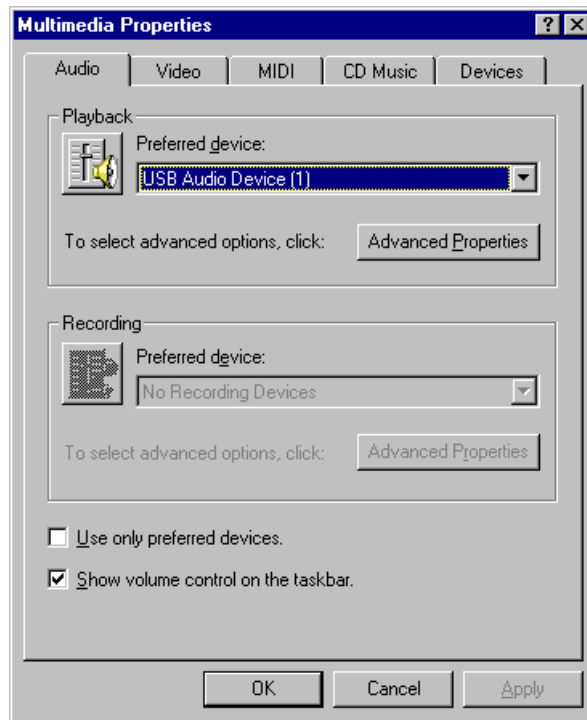$\Rightarrow$ USB Audio Device

Under **"Universal serial bus controller"**:
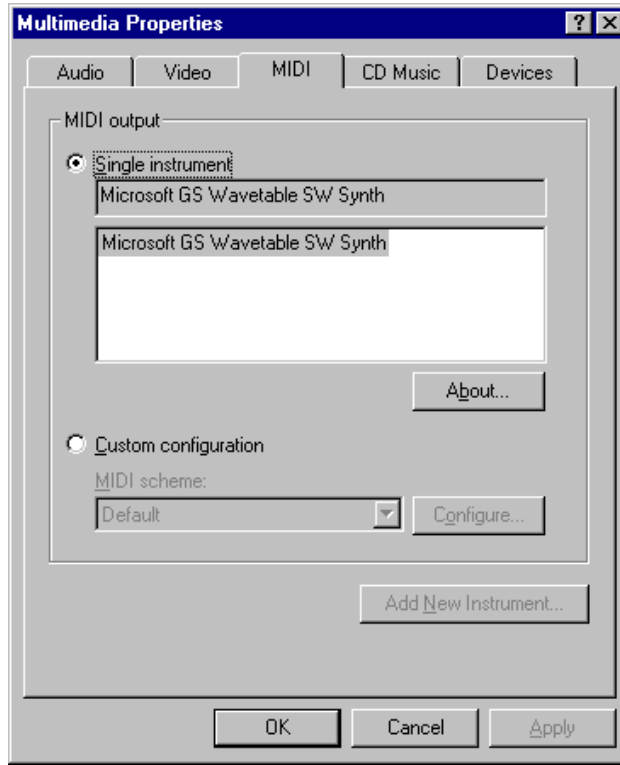$\Rightarrow$ USB Composite Device

Please make sure that "USB Composite Device" is displayed on the screen, this means that the USB Audio is registered by Microsoft Windows 98. You can enable the USB Audio now.
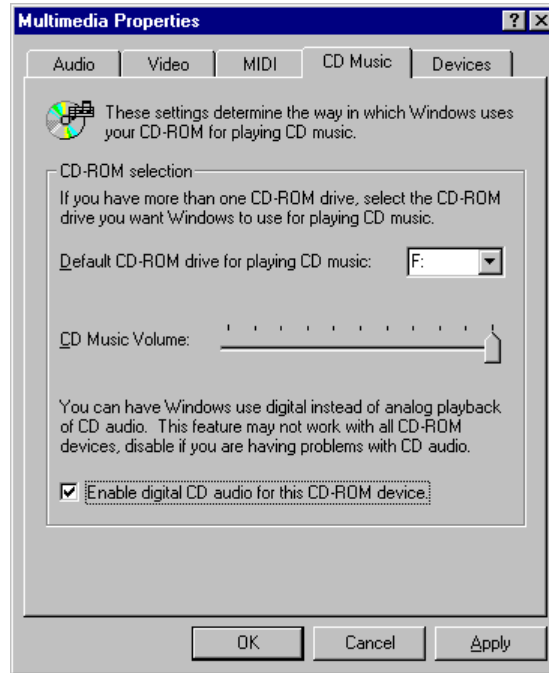
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How to Enable USB Audio

1.) Please click on the "Start" button which is on the taskbar of your Microsoft Windows   98 operating system. Select "Settings" and point at the "Control Panel" item. From the "Control Panel" window double-click on the "Multimedia" icon. Windows   98 will display the "Multimedia Properties" dialog box. Please enable your "Audio" window same as below, then click on the "MIDI" tap. You will receive a dialog box as shown on the next page.

2.) Under "MIDI output" select "Single instrument" and highlight "Microsoft GS Wavetable SW Synth". Just continue by clicking on the "CD Music" tap and you will receive the last dialog box as shown on the next page.

3.) The "CD Music" dialog box appears showing you the default CD-ROM drive for playing CD music. If you have more than one CD-ROM drive, make now your choice. You might also want to adjust the volume for your CD music. Do this by dragging the slide bare horizontally.

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Finally enable the digital CD audio for this CD-ROM device and click on the "OK" push button, so that all new selections can take effect.

Now you are ready to play Audio CD, MIDI- or Wave files through the Multimedia Application Program of Microsoft   Windows   98. Have fun!

USB Hub-Audio Device Driver Installation Under Windows   98

In order to install the device driver for your USB Hub-Audio device please follow the installation procedure as described in chapter "USB Hub Device Driver Installation Under Windows 98", page 3, step 1 to 7.

After the last dialog box "Add New Hardware Wizard" with the message "Generic USB Hub" appears click on the "Finish" push button and you may continue by following the installation procedure as described in chapter "USB Audio Device Driver Installation Under Windows   98", page 7, step 1 to 15.

Verifying Correct USB Hub-Audio Device Driver Installation

1.) Click on the "Start" button from your Microsoft Windows 98 task bar. Select "Settings", point at the "Control Panel" item and click on it. The "Control Panel" window will appear. Choose the "System" icon, double-click on it and a dialog box as displayed will appear.
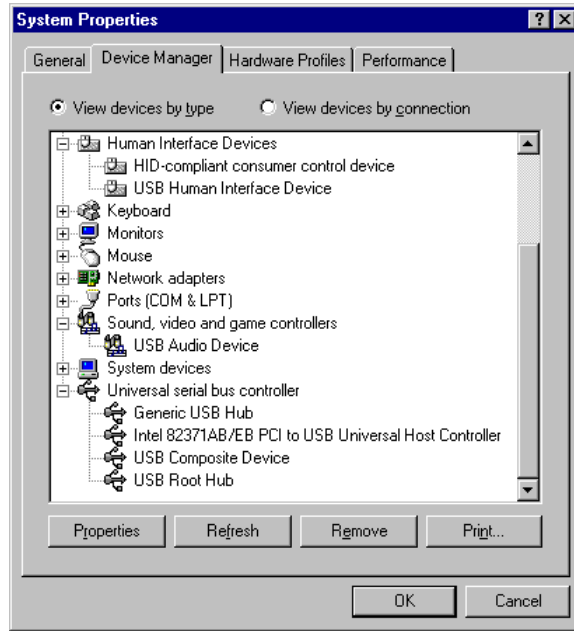

2.) From the "System Properties" dialog box select the "Device Manager" tap.
The following devices have been added to your system:
Under **"Human Interface Devices"**:
⇒ HID-compliant consumer control device
⇒ USB Human Interface Device

Fig.19

Under **"Sound, video and game controllers"**:
⇒ USB Audio Device
Under **"Universal serial bus controller"**:
⇒ Generic USB Hub
⇒ USB Composite Device

Please make sure that "Generic USB Hub" and "USB Composite Device" are displayed on the screen, this means that the USB Hub-Audio is registered by Microsoft Windows 98. You can enable the USB Hub-Audio now.

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