



## Configuration Manual

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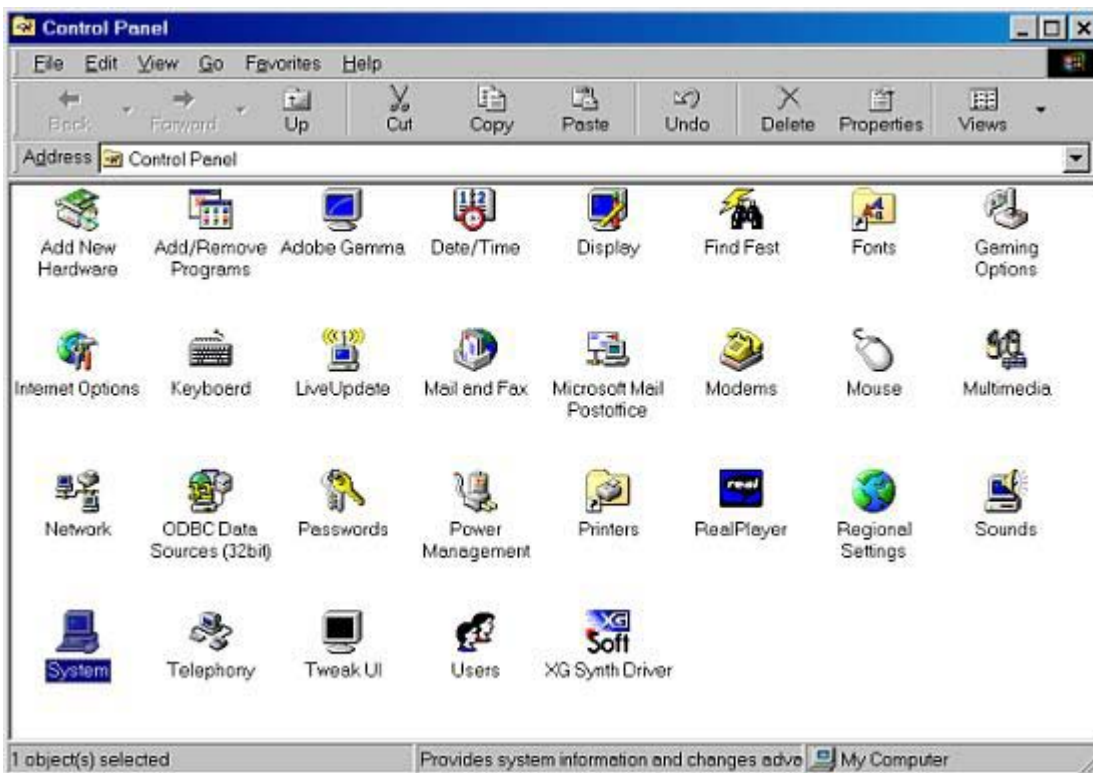
### Viewing the Card Deluxe™ Properties Window

You can display the CardDeluxe™ configuration dialog in the following ways:

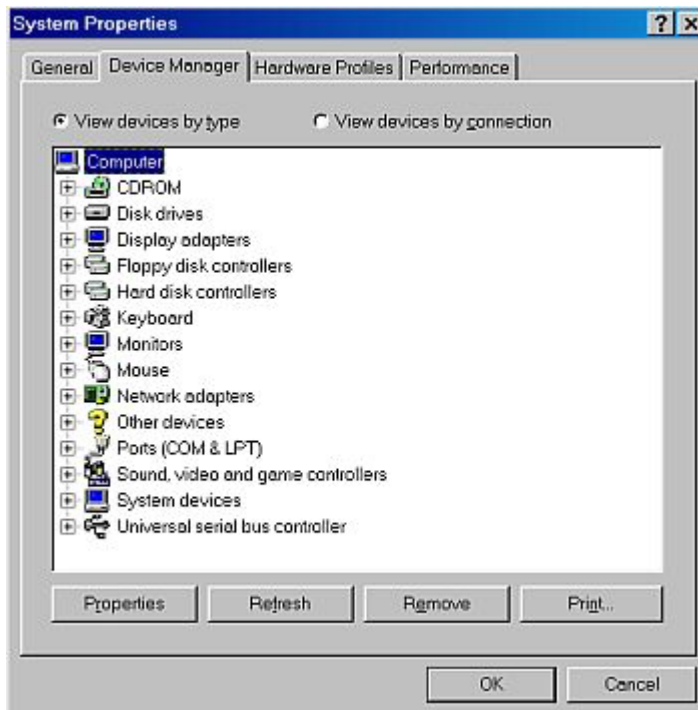
#### **1) Windows 95/98**

**From the Device Manager tab in the System control panel:**

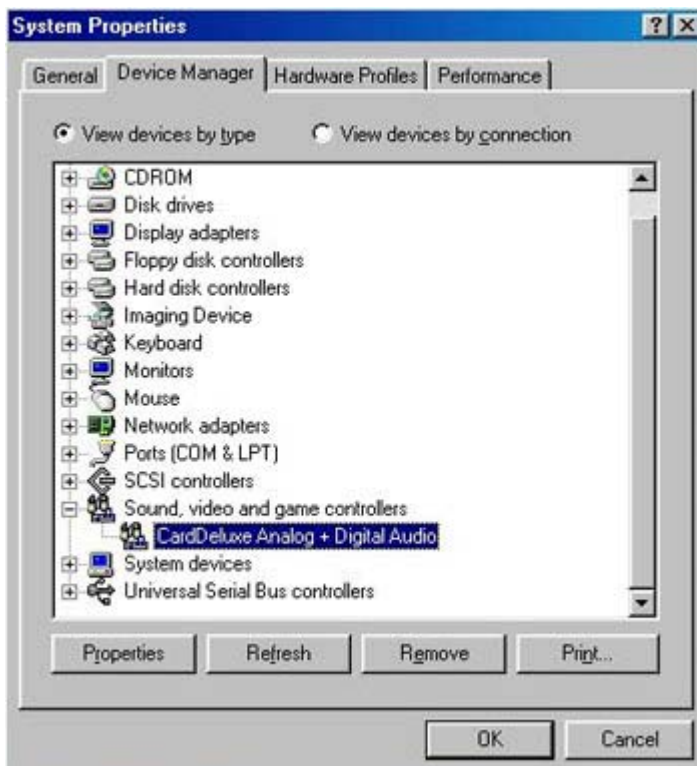
- Open the System from the Control Panel



- Select the "Device Manager" tab:



- Open "Sound, Video and Game Controllers"

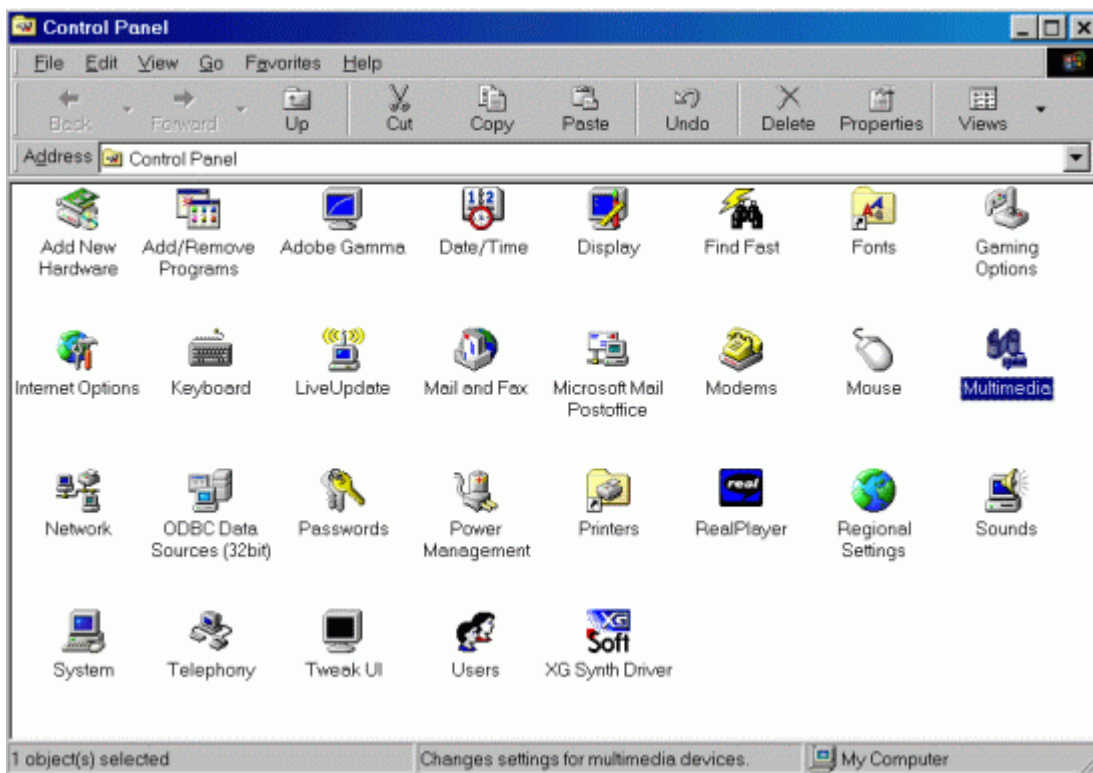


- Select the CardDeluxe™ device you wish to configure, and click "Properties"

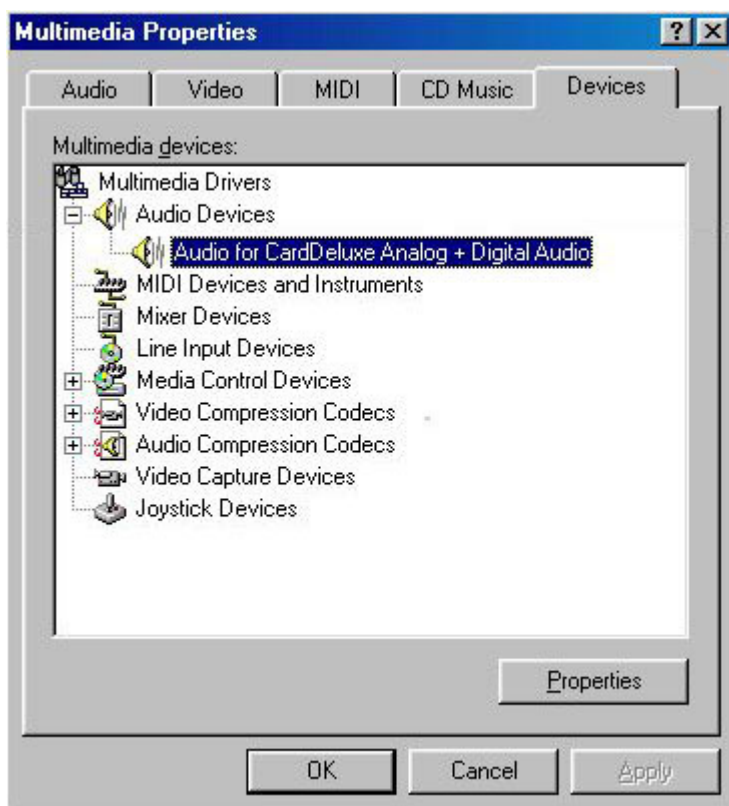
## 2) Windows 95/98/NT/

## From the Device Tab in the Multimedia Control Panel

- Open the Multimedia Control Panel



- Select the "Device" tab



- Open "Audio Devices"
- Select the CardDeluxe™ device you wish to configure and click "Properties"
- Click "Settings"

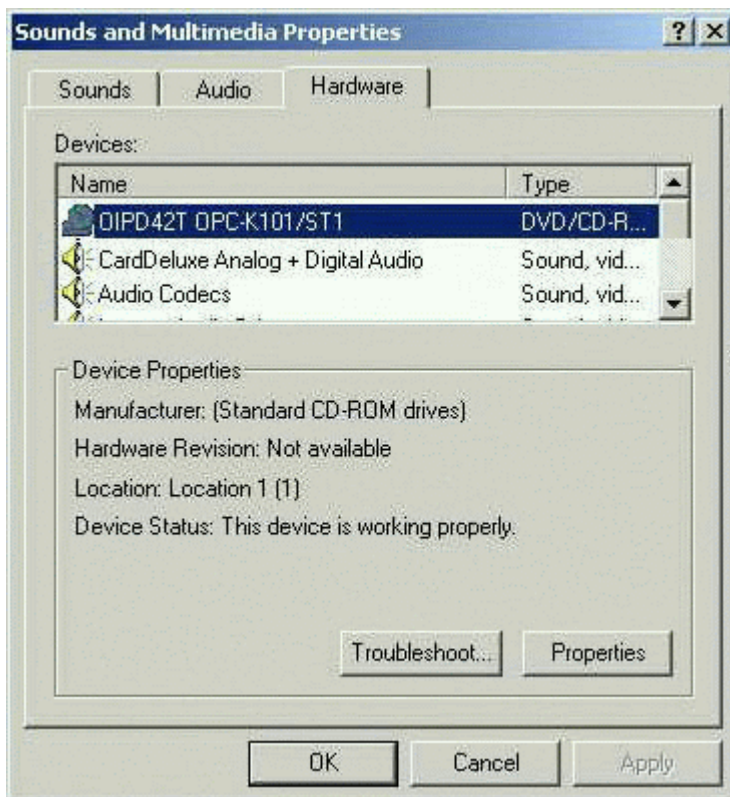
### 3) Windows 2000

#### **From the Hardware Tab in the Sounds & Multimedia Control Panel:**

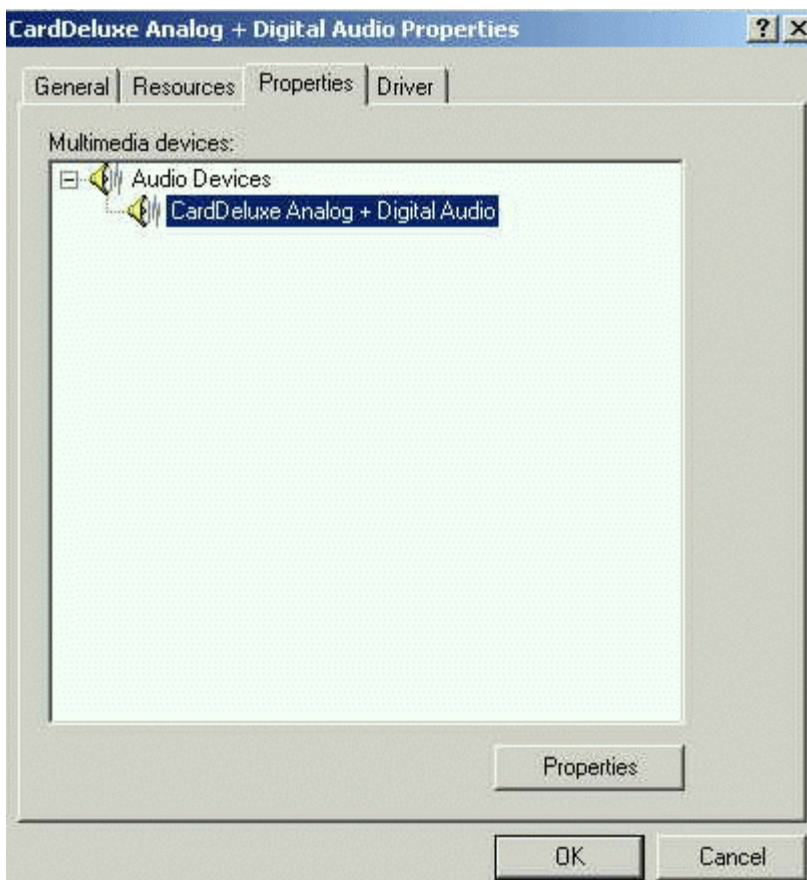
- Open Sounds and Multimedia Control Panel



- Select the "Hardware" Tab



- Select the CardDeluxe™ device you wish to configure and click "Properties"
- "Select the "Properties" Tab Again





- Click "Settings"

## **Configuration Windows**

Each CardDeluxe™ has three configuration windows:

### **Configuration Tab**

- lets you change the name, 24-bit data mode, advanced monitoring features, record synchronization mode and digital receiver and transmitter options for each CardDeluxe™.

### **Monitor Tab**

- lets you change the record monitor settings for each CardDeluxe™.

### **Version Tab**

- lets you see the hardware and firmware version information for each CardDeluxe™. If the "Version" tab does not appear, your CardDeluxe™ has the latest firmware, and no further firmware updates will be required.

And three other configuration windows that are shared by each CardDeluxe™ in the system.

### **Clocks and Syncs Tab**

- lets you change the sample clock source for each CardDeluxe™. Cards that are configured to slave to a master also start recording and playback in sync with each other using DAL's WavSync™ technology.

### **Register Tab**

- lets you register your CardDeluxe™ online or by mail/fax. Once you've registered, this tab disappears.

### **ASIO and EASI Tab**

- lets you to change the buffer settings for applications that use the ASIO CardDeluxe™ and EASI CardDeluxe™ drivers, such as Cubase/VST and Logic Audio.

**Note: requires driver version 4.05.1037 or higher.**

## **Configuration Tab**

You can change the name, 24-bit data mode, advanced monitoring features, record synchronization mode, analog input dithering mode and digital receiver and transmitter options for each CardDeluxe™ using the "Configuration" tab:



○ So, if you are setup for 24-bit left-justified, and the audio application is trying to work in right-justified, you will not be recording or playing the data correctly. You will need to check your audio application to see how it deals with 24-bit unpacked data, so you can set our driver accordingly. Your audio application may also be able to make this change within its preferences setup. Most applications, at this time, use left-justified, which is what the CardDeluxe is set to use by default.

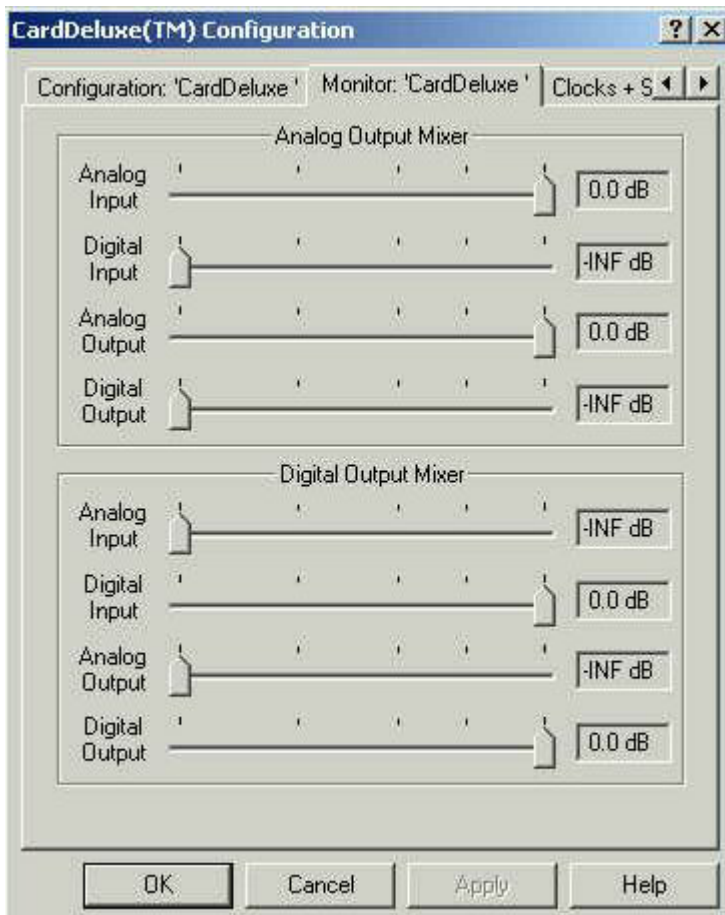
- To turn on or off Advanced Monitoring Features, operate the advanced monitoring features control.
- To change the recording synchronization mode, operate the record mode controls.
- To change the dithering mode for 8-bit and 16-bit analog recording, operate the analog input dithering control.
- To change the digital receiver options, operate the digital input options controls.
- To change the digital transmitter options, operate the digital output options controls.
- If you turn on Advanced Monitoring Features and change any output volume control to a value other than its default setting, you may degrade the quality of the output. Unless you are an experienced user who understands the ramifications of using non-unity gain, we recommend not using Advanced Monitoring Features.

**Note:** record monitoring does not affect the data being recorded.

## Monitor Tab

You can change how the CardDeluxe™ monitors the record inputs using the "Monitor" tab:





- To turn off record monitoring, set the slider to -INF dB (all the way to the left). To turn on record monitoring, set the slider to any other position.
- If you are playing and recording simultaneously, you will be able to hear the mixed playback and record data.
- Remember that setting the monitor levels too high can result in distorted output.
- If Advanced Monitoring Features are enabled, you can also change the volume of the playback output, mix the analog and digital playback outputs together and monitor the analog output on the digital output (and vice-versa). You can use this to create identical analog and digital masters at the same time.
- If you use Advanced Monitoring Features and change any output volume control to a value other than its default setting, you may degrade the quality of the output. Unless you are an experienced user who understands the ramifications of using non-unity gain, we recommend not using Advanced Monitoring Features.

Note that record monitoring does not affect the data being recorded.

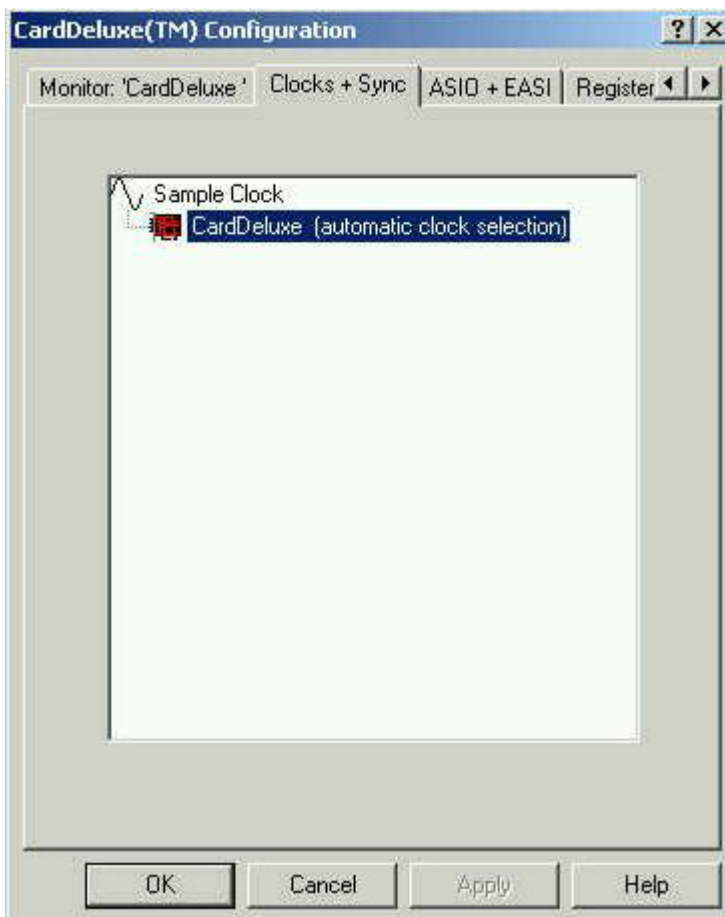
## Version Tab

The "Version" tab shows the hardware and firmware version information for each CardDeluxe™ in your system. This information is helpful for our technical support engineers, should you have any problems with your CardDeluxe™.

- If the "Version" tab does not appear, your CardDeluxe™ has the latest firmware, and no further firmware updates will be required.

## Clocks and Syncs Tab

Each CardDeluxe™ can choose from a number of clock sources. You can choose the clock source for each CardDeluxe™ using the "Clocks + Sync" tab:



- Right-click the CardDeluxe™ you want to change, and select the desired clock source:
- Automatic clock selection: automatically select the best clock to use:
- If playing or if recording from the analog input, use the internal sample clock.
- If recording from the digital input, use the digital input clock.
- If recording from both the analog and digital inputs, or if simultaneously playing and recording, the first channel opened determines which clock is used, according to the above rules. For example, if simultaneously recording from the digital input and playing out the analog output: if the digital input is opened first, the digital input clock will be used; if the

analog output is opened first, the internal sample clock will be used. Some applications (e.g., Cubase VST using ASIO Multimedia Driver) allow you to configure whether the input or output is opened first. If you are not sure what your application does, we suggest you explicitly select the clock you want to use when you are recording from more than one channel or simultaneously playing and recording.

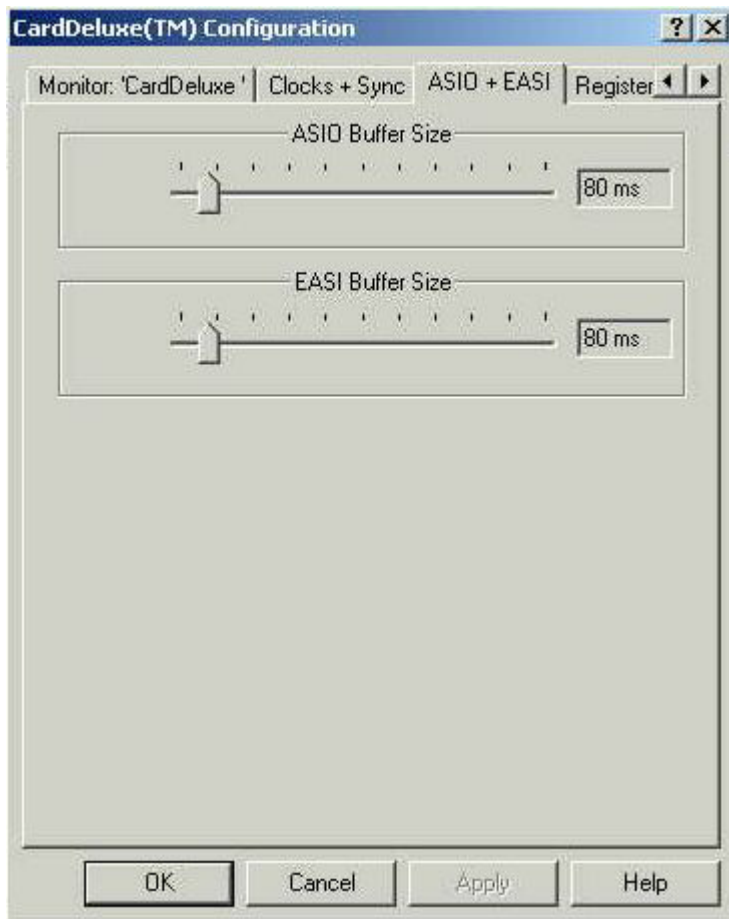
- Automatic clock selection is possible only when the CardDeluxe™ is not a master
- Internal clock always use the internal sample clock.
- Digital input clock always use the digital input clock.

One CardDeluxe™ card can act as the master for other CardDeluxe™ cards. This is called being the WavSync™ master. Cards that are configured to slave to a WavSync™ master use the same sample clock and start recording and playback in sync with each other using DAL's WavSync™ technology.

- To make a CardDeluxe™ card the WavSync™ master for all other CardDeluxe™ cards, right-click the CardDeluxe™ you want to be the WavSync™ master and select "Become WavSync master".
- To make one CardDeluxe™ be the WavSync™ master for another "slave" CardDeluxe™, drag and drop the slave onto the CardDeluxe™ you want to be the WavSync™ master. Only one CardDeluxe™ can be the WavSync™ master at any one time.
- To stop a CardDeluxe™ from slaving to a WavSync™ master, either right-click it and select "Stop being a slave", or drag and drop it onto the Sample Clock icon.
- To stop a CardDeluxe™ from being a WavSync™ master, right-click it and select "Stop being WavSync master".

## **ASIO and EASI**

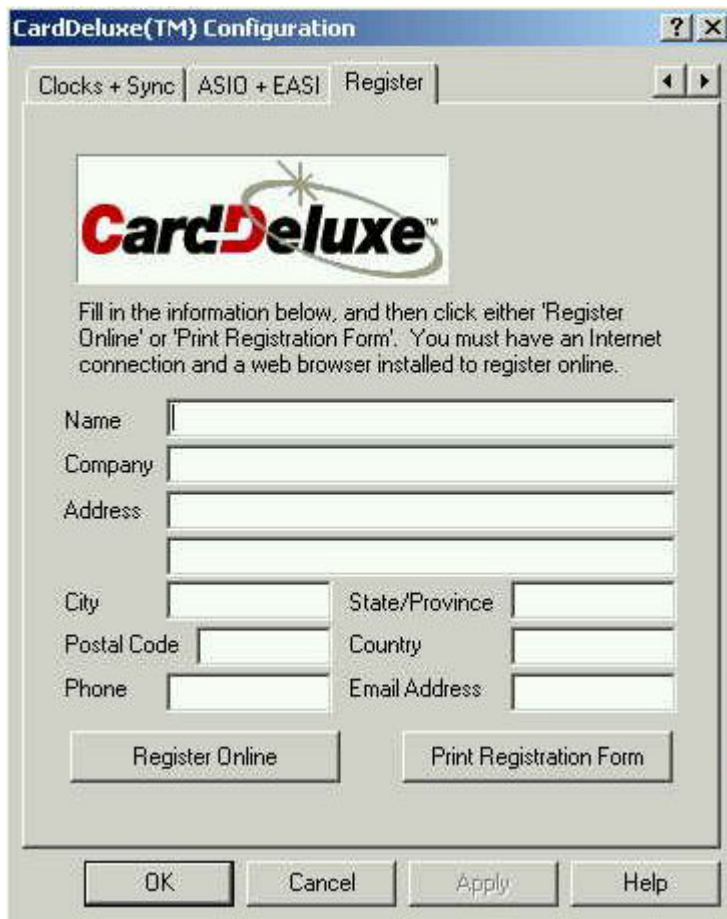
You can change the buffer settings for applications that use the ASIO CardDeluxe™ and EASI CardDeluxe™ drivers using the ASIO and EASI tab:



- To change the buffer settings, operate the slider controls. The buffer size is specified in milliseconds. Since the ASIO and EASI drivers each use two buffers, the total latency will be twice the value you set using the slider controls.
- These buffer settings do not apply when using the ASIO Multimedia or ASIO DirectSound drivers. These two ASIO drivers have their own control panel to set buffer sizes.

## Register Tab

You can register your CardDeluxe™ online or by mail/fax using the Register Tab:



The image shows a Windows-style dialog box titled "CardDeluxe(TM) Configuration". It has three tabs: "Clocks + Sync", "ASIO + EASI", and "Register", with the "Register" tab selected. The dialog features the CardDeluxe logo, which consists of the word "Card" in red and "Deluxe" in black, with a stylized starburst graphic. Below the logo, there is a paragraph of text: "Fill in the information below, and then click either 'Register Online' or 'Print Registration Form'. You must have an Internet connection and a web browser installed to register online." The form contains several input fields: "Name", "Company", "Address" (with a second line below it), "City", "State/Province", "Postal Code", "Country", "Phone", and "Email Address". At the bottom of the form are two buttons: "Register Online" and "Print Registration Form". At the very bottom of the dialog are four standard Windows buttons: "OK", "Cancel", "Apply", and "Help".

- If your computer is connected to the Internet, and you have a web browser installed, you can register online. Otherwise, you can print a registration form and either mail or fax it to us.
- Once you've registered your CardDeluxe™, this tab disappears.

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## More Technical Help

Solutions to many common questions and problems can be found on our [website](#) in the CardDeluxe™ Frequently Asked Questions.

If all else fails, you may need the assistance of DAL technical support. When contacting technical support, please have available as much information about your computer as possible, which will decrease the amount of time needed to fix the problem. If possible, be at your computer, with the CardDeluxe™ driver disk handy. Many issues that appear to be hardware related are often software or system issues that can be solved over the phone or by [email](#).

If it is necessary for us to have you send the product in for repair, you will be issued an RMA number. Please do not send in the product without obtaining an RMA number first. Do not return the product to the place of purchase. Please write the RMA number on the outside of the shipping carton. Also, include with the product a brief description of the problem, your

name and return shipping address, your phone number and the RMA number. Turnaround time on repairs is generally two days.



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