Application Note

Product Name: Windows 95 Plug and Play Compatible Audio Controllers

Title: Enabling Full Duplex Audio in Windows 95

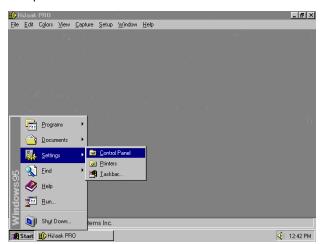Date: September 27, 1996

Scope

This document describes how to enable full-duplex under Windows 95 operating system for OPTi's Plug-and-Play compatible audio controllers (82C931, 82C925, 82C924).

Discussion

To enable full duplex, you must have two DMA channels configured in Windows 95 for your sound card.

To check and see if there are two channels enabled, and to change the settings if there are not, perform the following steps:
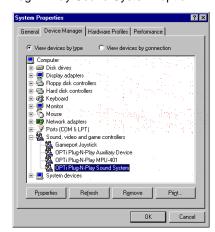
1. Make sure the sound card, drivers, and Windows 95 are installed according to the manufacturers specification.

2. Open the Control Panel.

3. Double click the System icon.

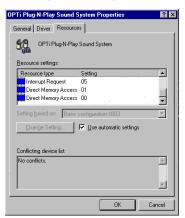4. Select the Device Manager tab and double click the "OPTi Plug-N-Play Sound System" option.
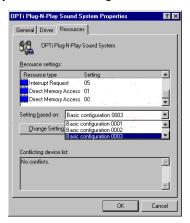
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5. Scroll down the "Resource settings" to view the "Direct Memory Access" selections. If there are not two options, you need to change the settings.

6. Click off the "Use Automatic Settings" so that you can access the "Setting based on:" option. From the Basic Configuration list, you need to select a configuration that will give you two DMA settings.

This is a trial-and-error process. Once you have a configuration that shows two DMA settings and "No conflicts" in the Conflicting device list, click "OK". Restart Windows to make sure the new configuration is enabled and working correctly.