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Pioneer Industrial LaserDisc Player MCI Drivers
For use with Windows 3.1
or Windows 3.0 with Multimedia Extensions

1. Introduction
The MCI (Media Control Interface) drivers for Pioneer Industrial LaserDisc players running under Windows 3.1. or Windows 3.0 with Multimedia Extensions. The MCI drivers are available at no charge from the Pioneer Bulletin Board. Developers are encouraged to include these drivers in their applications.

The **MCIVPIONR.DRV** is used with these Pioneer Industrial LaserDisc players:

* U.S. Models: LD-V8000, LD-V4400, LD-V2200, CLD-V2400, and the discontinued LD-V4200
* Europe Models: LD-V4300D, LD-V4100, CLD-V2300D
* Japanese Models: LD-V800, LD-V530, LD-V530A, LD-V540, LD-E150, CLD-E200

NOTE: The MCIVPIONR>DRV has only been tested with the US version of MS Windows 3.1

2. Accessing the BBS
Pioneer BBS phone number is 408/748-2105. Modem communication software, such as Procomm, Crosstalk or the terminal program that comes with MS Windows for the PC can be used to access the BBS.

> * Set the modem for any BAUD rate (1200, 2400, 9600), and for 8 data bits, no parity.
>
> * Once communication is established, the BBS will ask for a name and password. Make up a password on the first access and use the same one each time you call.
>
> * Several communication protocols are available such as XMODEM, YMODEM and ZMODEM. Most protocols work as long as the BBS and the caller's computer are set to the same protocol.
>
> * Once logged on, procedures are directed by the BBS.

There are two sections on the BBS. One for MMSD (Multimmedia Systems Division) and one for OMSD (Optical Memory Systems Division).

> * Select M (for multimedia) from the menu.
>
> * Select the D (for download)
>
> * Select **MCI.EXE**, this is the current MCI driver that allows control of Pioneer Industrial LaserDisc player under MS Windows.
>
> * The compressed files self-extract when they are copied to a location where they will reside before installation.

3. Installing the Pioneer MCI Driver
The Pioneer MCI driver on the BBS was designed for use with Windows 3.1 or Windows 3.0 with Multimedia Extensions and the Pioneer Industrial LaserDisc Players listed above.

The MCI driver package consists of the following files

- **1. MCIVPION.DOC** - This is a Read Me file that contains the following information.

- **2. MCIVPION.DRV** - This is the MCI driver for Pioneer's current line of industrial videodisc players. LaserDisc players which work with this MCI driver are the LD-V2200, CLD-V2400, LD-V4400, LD-V8000 and the LD-V4200 (discontinued). The driver will not work with the Pioneer 6000 series of LaserDisc players (discontinued).

- **3. OEMSETUP.INF** - This is a text file which must be located in the same subdirectory as MCIVPION.DRV when using the Windows 3.1 Control Panel for multimedia driver installation.

Installation and configuration

1. Open the Control Panel and access the Drivers dialog box by double-clicking on the Drivers icon. The list of Drivers which are loaded each time you start a Windows session is displayed in the dialog box. Click on the Add button to access the Add Driver dialog box. A list of default drivers which come with Windows is displayed. From this list highlight the Unlisted or Updated Driver selection from the list box and click OK. An Install Driver Message Box will pop up. Type a path to the drive:\directory containing the Pioneer MCI driver (MCIVPION.DRV) and the OEMSETUP.INF file in the text box and click on OK. A list of valid MCI drivers in the given path will appear. Highlight the correct driver and click OK to install.

2. After Windows installs the MCI driver a Setup dialog box will appear to allow the selection of ComPorts 1-4. This version of the Pioneer MCI driver only supports 4800 baud, 8 data bits, no parity, and 1 stop bit. The Pioneer videodisc player must be set to the same baud rate.

3. The driver is now installed and configured. Before you run an application, it may be necessary to restart Windows so the changes can take effect. Once the driver is installed you can open Media Player in Windows or other applications.

4. To install the Pioneer Driver under Windows 3.0 use the Control Panel/ Driver Install/ Setup options.

If you have problems or encounter driver errors please contact Pioneer, Multimedia Systems Division, Engineering/Technical Support at the number below. The MCI driver command set is available from Microsoft as part of the Software Development Kit for Windows. Also, the Microsoft MCI syntax document, **"Multimedia Programmer's Reference"** is available from Microsoft Press by calling 1-800-MSPRESS.

NOTE: A Microsoft MCI Driver (MCIPIONR.DRV) was included with the Multimedia Extensions for Windows 3.0, but not with Windows 3.1. *The Microsoft MCI drivers included with Windows 3.0 do not work under Windows 3.1.*, but the MCI drivers included with MS Video for Windows do. The Microsoft MCI drivers (MCIPIONR.DRV) were written for the Pioneer LD-V4200 player and do not contain all of the features included in the current Pioneer MCI driver (MCIVPION.DRV). The MCIVPION.DRV can be used with Windows 3.1, Windows 3.0 with MMEs, and with Microsoft Video for Windows. Features of Pioneer MCI drivers and Microsoft MCI drivers are compared in *App. Note #191.*