# PCMCIA CD-ROM Driver for OS/2

## Release Document

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# Introduction

This document describes APSoft's software product PCMCIA CD-ROM Driver for OS/2.

PCMCIA CD-ROM driver for OS/2 (also called CSCDROM.ADD in this document) is an universal driver for support an ATAPI CD-ROM connected to the computer via 16-bit PC Card (PCMCIA-2-IDE controller). CSCDROM.ADD is a single driver that supports many devices: any standard ATAPI CD-ROM.

One of big driver's advantages is that driver only requires 16 byte of I/O in order to make CD-ROM working. This allow driver to work on heavy loaded machines with no free IRQs available.

The driver provides true hot-swapping support and compatibility with both: OS/2 Warp 3 and Warp 4.

CSCDROM.ADD is implemented as an IBM OS/2 base device driver. It acts as Card Services client, registers with Card Services and provides dynamic resource allocation for CD-ROMs.

The driver supports one CD-ROM unit per PC Card socket. Number of supported sockets is not limited.

Any OEM requiring support beyond the default configuration should contact APSoft.

# Setup

CSCDROM.ADD is very easy to integrate into an OS/2 system. However, before installation please check that PCMCIA support is installed and properly configured on your system.

1. Open CONFIG.SYS and locate line BASEDEV=PCMCIA.SYS.
2. Directly after this line add:

```
BASEDEV=CSCDROM.ADD <parameters>
```
3. Add following three lines by the end of config.sys:

```
DEVICE=C:\OS2\BOOT\OS2CDROM.DMD /Q
IFS=C:\OS2\BOOT\CDFS.IFS /Q
DEVICE=C:\OS2\MDOS\VCDROM.SYS
```
4. Reboot the system.

The next section describes each of the supported switches in detail and you must determine the best configuration for your chosen machine. All the switch settings are coded on the BASEDEV=CSCDROM.ADD statement in CONFIG.SYS. You can change these settings and re-boot your computer to see the effects.

## Command Line Options

CSCDROM.ADD supports the following command line options:

| | |
|---|---|
| /E | Enables screen output |
| /H | Displays help text. You should either enable screen output or connect Kernel debugger for see it. |
| /IC | It was found that certain OS/2 Service Packs (e.g. 40) on GetConfiguration Info call return BASE_CLIENT attribute set even when card is not yet configured. The /IC switch disables checking of this attribute |
| /ID | It was found that Adaptec aha152x.add driver for SlimSCSI 1460 has a hard-coded n INT 3 in GetClientInfo handler. We are using GetClientInfo for check for second installation. The /ID parameter disables this check. |
| /NB | No beeps on card recognition |
| /S:n | Number of sockets to support (Default: all) |

A command line option of SSPCIC can be added, changed or deleted by editing the following line in the CONFIG.SYS file:

**BASEDEV=CSCDROM.ADD**

The selected options are only set when the system boots.

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