CD Player is a Compact Disc player/data base for
Windows. This program should work with any CD player
that has audio capabilities, Windows drivers, and
MSCDEX.EXE must be loaded in AUTOEXEC.BAT.

DISCLAIMER

This product is provided "AS IS" without warranties of
any kind. The entire risk as to the results and
performance of this program is assumed by you the
user. Further more, I the author do not warranty,
guarantee, or make any representations regarding the
use of, or the result of the use of this program. I
the author cannot accept responsibility for system
damage, loss of profit or any other special,
incidental, or consequential damages resulting from
the use or inability to use this product. In other
words, use this program at your own risk.

CHANGES

2.x
Version 2.x of CD Player for Windows is a complete
rewrite of the program. You no longer need
VBRUNx00.DLL or any *.VBX files. This version is also
not entirely compatable with version 1.x. If you make
changes to your CD database with 2.x, 1.x will not be
able to read it correctly. The look and feel of the
program has changed a bit hopefully for the better.
The performance has been increased quite a bit. And
the big one since it is all code (no VBX files) it is
less error prone. The BWCC.DLL file is being used to
enhance the appearance and other than that there are
no external calls. If you are upgrading from 1.x and
the program does not appear to run when you start it
delete CDPLAYER.CFG.

2.3
Version 2.3 now supports stereo. If you want to use
stereo and your sound card can support it use the
command line option "stereo" (cdplayer.exe stereo).
If your sound card can not read stereo sound at very
fast rates CD Player may stop or virtually stop your
PC. One card that I have found does this is the
Creative Labs Sound Blaster Pro, the SB16ASP works

great.

Also in this version is a shuffle play feature. When shuffle play is selected the disc will play random songs forever.

A few performance features have been added. If the program is iconic it will do a lot less polling of the CD ROM device. Also the program is now set to poll every .95 seconds instead of every .9 seconds, and less information is read from the device on each poll. If CD Player slows down your PC much please let me know. When using the oscilloscope performance is up to your sound and video cards, so I can't fix that one. I can say however that I have had the best results using the Creative Labs Sound Blaster 16 ASP.

2.31
Version 2.31 fix a problem with some CDs that did not report the correct number of frames and seconds on the disc. This caused some CDs to not play when the play button was pressed.

Support for Windows drivers with Large Fonts was also added.

Added a memory to the shuffle play feature, so the same song would not play twice in a row.

Added a feature to reinsert the CD after an eject.

2.32
Version 2.32 now has an Import and Export feature. This will allow you to share your CD data base with others and merge their data base with yours. The Import feature will not overwrite existing CD data.

Added stricter disc cataloging. Just to make sure that the program doesn't confuse discs.

Made the editor screen wider, so you can create longer song titles.

2.33
Version 2.33 does not need the "stereo" command line switch any longer. There is now a check box in the editor to turn stereo on or off.

There is also a polling delay in the editor. This feature was added mainly for SCSI CD-ROM drives. The polling process can slow the SCSI bus down if set to short, so now it is configurable.

The speed of the sort routine when returning from the
Editor has been greatly enhanced. The problem now is
that it is a memory hog. If you run out of stack
space or get a GPF when exiting the editor please let
me know.

2.34
Fixed a bug, yes that's right I said it a big bug. If
you added a disc to the data base it could lockup your
PC. Sorry for that one.

The quick sort rutine was causing some people to run
out of memory, so I have added a command line switch
"B" to run a bubble sort. It's slower but it uses
very little memory. If when returning from the editor
you get a stack error or a GPF change the command line
to "..\cdplayer.exe B".

Also added a stereo/mono button and a 11/22/44 khz
button to the editor.

2.35
Changed the mono versions of the O-Scope to display
the band width between both channels if the sound card
is stereo capable. I just looks better.

Changed the Shuffle play feature to actually shuffle
instead of playing randomly. The shuffle play feature
also now does not play forever, to do that you now
need to select Shuffle and Repeat.

The Shuffle play feature will now work with Play
selected. So you can shuffle your selections.

Got rid of the "Save Selections" button. Selections
added to the Play Selection window are automatically
saved.

Added left and right volume control. This control
will work on any of you sound cards volume controls.
Use the Volume Control button in the Editor to change
the feature that the volume sliders control.

When the program is iconic the title of the playing
song is now displayed.

Added a setting in the Editor for slow PCs. If set to
Slow PC the program will give more priority to other
applications when the O-Scope is running.

Removed the O-Scope adjustment bar. The program now
adjusts the wave height for you. The O-Scope windows
is also now a bit larger.

2.36
Added a better description on the volume control
button in the Editor. So you can now tell what your
settings are without guessing.

When the program is iconic and no song titles have
been typed in the program will now display the CD
title instead of just blank sond titles.

INSTALLATION

To install CD Player copy CDPLAYER.EXE to a directory
on your hard disk. Then copy BWCC.DLL to your "\
WINDOWS\SYSTEM" directory. Two files will be created
in the directory from which CDPLAYER.EXE is run.
These files are CDPLAYER.CFG and CDPLAYER.DAT. If you
don't mind these files residing in your "Windows"
directory you may put CDPLAYER.EXE there instead of in
its own directory.

<div align="center">**COMMAND SUMMARY**</div>

The commands in CD Player should be very similar to
your home CD Player except for a few extra features.

The Window States
CD Player has three window states:
1: full screen
2: full screen with oscilloscope
3: buttons and status only
To switch between these states double click the left
mouse button on background of the CD Player window.

The Oscilloscope
To enable and disable the oscilloscope see Window
States above. There are four different screens to
choose from: first is an oscilloscope, second is wave
form output, third is an oscilloscope in stereo,
fourth is wave form in stereo. The last to are only
available in stereo mode with the Stereo box checked
in the Editor. To change from one to the other double
click the right mouse button on the background of the
CD Player window. The oscilloscope will adjust itself
as volume levels are changed.

To use stereo you should have a 16 bit sound board
(PAS16, SB16, etc.). If you do not have a 16 bit
sound board CD Player may slow down or stop your PC or
just make a lot of noise because the board can not
keep up with the demands of reading in sound as fast
as CD Player wants it.

You will also need to set the WAV input source to the
channel your CD player is connected to. With a Sound
Blaster Pro use SBP-SET.EXE in you AUTOEXEC.BAT like
this:

SBP-SET /CD:15 /ADCS:CD

Other cards should have similar commands. If you do
not have a Windows compatible sound card the
oscilloscope will not show up.

Volume L/R
The Left and Right Volume controls will change the
play volume if you are playing CD audio through a
sound card. Make sure the Volume Control button in
the Editor is set to the proper selection for your
sound card settings. You may need to play with it a
bit to find the correct setting on some sound cards.
Typicaly you should use either CD Audio or Master.

Track scroll bar:
With the Track scroll bar you may jump around to any
position in a track.

Disc scroll bar:
With the Disc scroll bar you may jump around to any
track on a disc.

Track menu/Play Selected:
The track menu shows you the track number, the track
length, and the song title if you entered one for the
track. To play a track from the menu click on it once
with the mouse then press the play button. To select
multiple tracks for play click twice with the mouse on
a track and it will be put into the memory. To remove
them from memory click twice on the track in the
memory box. After you have made your selections click
on the "Play Selected" check box.

Shuffle Play
If the "Shuffle Play" box is checked the disc will
play the tracks in a shuffled order until it is
unchecked, stopped, the whole disc is played, or if
play is pressed.

Play Selected
If the "Play Selected" box is checked only the tracks
in the selected window will play. To stop playing
selected tracks press Stop, Play, or uncheck the "Play
Selected" box.

Repeat:
If the "Repeat" box is checked the disc will repeat
until the program is closed or the box is unchecked or
the pause or stop button are pressed. This setting
will also cause shuffle play and play selected to
repeat.

Edit/Data Base:
The "Edit" button will bring you to the Editor menu.
If a new disc is detected the fields will be blank and
a new record will be added to the data base. Fill out
the form and save. Note that to change from track to
track the ENTER key may be used. From this point on
when ever this disc is inserted the tracks will be
listed in the menu. If you wish to edit a disc not in
the drive select it using the scroll bar on the right,
make your changes then save. The delete button will
delete the currently selected record. There is no
"Are you sure?" box, so if you click on delete the
record is gone.

Import/Export:
If you wish to Export data so that someone may use
your data base please include IMPORT.CDP and
IMPORT.TXT, so they know what they are getting.
IMPORT.CDP contains all the disc infomation, and
IMPORT.TXT includes the Artists and Titles in text
format.
To Import a data base into your own copy IMPORT.CDP to
your CD Player directory then press the Import button
in the Editor. You must then exit the Editor the
resort the data base. The IMPORT.CDP file
A master data base will be kept in the CDROM forum of
CompuServe if enough people participate in Exporting
and Uploading to CompuServe. If you do send a data
base to CompuServe please add CD and CDP_IMPORT to the
key word list, so people may find your upload quickly.
ZIP the two files up in file named after you, so there
are not a bunch of files call IMPORT in the forum. If
you would rather E-Mail them to me that would be
great. Send the file to me on CIS at 72754,1172.

Volume Control Source
This button changes the functions of the volume
controls on the main screen. If your CD-ROM drive is
connected to your sound card this setting will change
the input source for volume control. You may need to
play with it a bit to find the correct setting on some
sound cards.

Slow/Fast PC
If this setting is set to Slow PC the O-Scope will
only display every 4th byte of data. This will
greatly enhance the performance of other programs
running while the O-Scope is enabled. If you do not
have any performance problems select Fast PC.

Stereo/Mono
When the Stereo/Mono button displays "Stereo" the
oscilloscope will display stereo output. Setting this
feature may cause problems on some machines so close
all other applications before you try it, just in
case.

11/22/44K
This button will allow you to change the input
quality. If set to "11.0 K" larger over all view of
the music being played. "22.0 K" displays more
accurately and "44.1 K" is the best for accuracy.
Note that on some PCs 22 or 44 may cause the PC to run
very slow or stop running all together.

Polling Delay
The Polling Delay is in miliseconds(1000ms = 1

second). This is the delay that CD Player uses when accessing the CD-ROM drive. Setting it a 1000 or more may make CD Player wait a bit longer between songs when in shuffle play or play selected modes. Setting it to low may cause a sever PC performance loss. The default is 990ms. When using a slow CDROM drive or a SCSI CDROM drive the higher the number will improve PC performance. If your CDROM is on a dedicated card then 990ms should be the best setting.

IN CASE OF PROBLEMS

If **1** through **5** don't help read number **6** in this
section.

1.
If the Oscilloscope does not work try playing and
recording a wave file with one of the Windows
utilities. If that works try CD Player again, and
remember to double click on the background. To get
the Oscilloscope to work your sound card MUST have a
CD Audio connecter on it, and the CD-ROM drive MUST be
connected to the sound card with a three or four pin
cable. If you are using a Sound Blaster 1, 1.5, 2, or
compatible there is no CD Audio connecter and the only
way to get the CD Audio to the card is to connect the
output on the drive to the line-in on the sound board.
Also the WAV device in Windows can not be shared, so
you must exit other applications that use the WAV
device. ei. Voice Assist, Talking Scheduler, etc.

2.
If you press play and nothing happens make sure the
Windows CD Audio driver is loaded(see number **4**).

3.
If you press play and get no sound from the sound
card, but the CD-ROM drive light is on or blinking
make sure the the CD Audio from the CD-ROM drive is
connected to the sound board. If your sound board has
a CD Audio connecter on the side of the card, connect
the CD output on the back of the CD-ROM drive to the
sound board CD input. Other wise connect the output
on the front of the drive to the line-in on the back
on the sound board. If you are using a Sound Blaster
1, 1.5, 2, or compatible there is no CD Audio
connecter and the only way to get the CD Audio to the
card is to connect the output on the drive to the
line-in on the sound board.

4.
If CD Player runs, but nothing works, go into Windows
Control Panel, then select Drivers, then Add the CD
Audio driver. If the CD Audio driver does not detect
a CD-ROM drive make sure MSCDEX.EXE is loading
correctly in your AUTOEXEC.BAT.

5.
**If you get a stack error or GPF when exiting the
Editor** add a "B" command line switch to CD Player. By
default CD Player uses a quick sort to sort the
database, but this takes a lot of memory and may cause
problems. To switch to a bubble sort change the

command line of the CD Player icon to:
"C:\..\cdplayer.exe B"
The bubble sort is a lot slower but it also uses
almost no memory.

6.
If you encounter any problems with the program or have
any questions please send me E-Mail on CompuServe. I
am also interested in features that you would like to
see. My CIS ID is 72754,1172.

Or you may also call the Mirage BBS @ 1-208-884-0646
to see if there may be a later version. If you have
questions or problems to report leave a comment on the
BBS.

REGISTRATION

Registered users will have no limit to the amount of
CD's you may store in the data base and the
oscilloscope will run with no messages. The
registration cost will be **$20 US dollars**.

CIS/Check:
To register send a check or money order for $20 to:

Brian Baker
3010 West Mirage Court
Meridian, ID 83642

Be sure to put your CIS ID on the check. You will be
sent a registered version via CIS E-Mail.

CIS/SWREG:
To register CD Player for Windows on CompuServe GO
SWREG. The programs registration ID is 1093.
CompuServe will add $20 to your monthly CIS bill. You
will be sent a registered version via CIS E-Mail.

BBS/Check
If you do not have access to CompuServe you can send a
check or money order of $20 to:

Brian Baker
3010 West Mirage Court
Meridian, ID 83642

And get the registered file from the Mirage BBS.
First call the Mirage @ 1-208-884-0646, and register
as a user on the BBS. Then send your check or money
order. Call the BBS back after a few days and you

will be able to download the registered version. You
will also be able to get free upgrades to the program
through the Mirage.

The file will contain CDPLAYER.EXE and any updates to
the supporting files and documentation. Once you
receive the file and extract it copy CDPLAYER.EXE over
your existing CDPLAYER.EXE and your ready to go.