

PECD Plugin 1.2

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About

PECD Plugin 1.2 is a plugin for REALbasic 1.x and 2.x. It is 68K and PPC compatible. To use it, simply drop this plugin in a folder called "Plugins" that resides in the same folder as the REALbasic application. Start REALbasic and you will now be able to use the PECD Plugin methods in your own REALbasic application.

Features

PECD Plugin 1.2 gives you the opportunity to quickly and easily add CD-Rom audio to your REALbasic application. No more messy system calls! No need to spend hours searching for source. With PECD, you can build a fully functional CD player in minutes. It also works great for playing audio in other applications like games and multimedia presentations. For a complete list of the functions read on.

Registration

PECD Plugin 1.2 comes in two forms. A demo version and the full version. The demo version is free, but only gives you three methods. They are indicated by an asterisk (*) in the documentation below. The full version enables all of the listed commands. Furthermore, all future upgrades are FREE for registered users.

To register, please send your name, email address, and \$10.00 (Cash or Check in US Dollars) to:

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Methods

The following is a list of the methods that PECD Plugin 1.0 adds to REALbasic. If you would like to see a sample, projects for REALbasic 1 and 2 are included with the plugin. Although the code is incomplete, it gives you a good foundation for adapting PECD Plugin to your own needs.

Methods preceded by an asterisk are available to PECD Plugin Demo users. All functions are available to registered users.

- *** 1.) GetRefNum() as integer
Make sure to call this before any other calls. It identifies the Apple CD-Rom hardware in your machine. All other methods in this plugin require this number, so it is ABSOLUTELY necessary! Throughout the rest of the documentation, this number will be referred to as the "drvRefNum".
- *** 2.) GetNumberOfTracks(drvRefNum as integer) as integer
This returns the number of audio tracks on the currently inserted CD.
- 3.) GetCurrentTrack(drvRefNum as integer) as integer
This returns the number of the currently-playing track.
- 4.) GetCurrentState(drvRefNum as integer) as integer
This returns the current state of the CD player. The following return values are possible:
- | Value | State |
|-------|----------------|
| 0 | CD is playing. |
| 5 | CD is stopped. |
| 1 | CD is paused. |
- 5.) GetCurrentTrackMin(drvRefNum as integer) as integer
This returns the elapsed number of minutes of the currently-playing track.
- 6.) GetCurrentTrackSec(drvRefNum as integer) as integer
This returns the elapsed number of seconds of the currently-playing track.
- 7.) GetCurrentTrackFrame(drvRefNum as integer) as integer
This returns the elapsed number of frames of the currently-playing track.
- *** 8.) PECDDStop(drvRefNum as integer) as integer
This stops the CD player. A return value of 0 means the operation was successful.
- 9.) PECDDPause(drvRefNum as integer) as integer
This pauses the CD player. A return value of 0 means the operation was successful.
- 10.) PECDDContinue(drvRefNum as integer) as integer
This continues playback from the CD player, if it had been paused (see method#9 above). A return value of 0 means the operation was successful.
- 11.) PECDDPlayTrack(drvRefNum as integer, track as integer) as integer
This initiates playback of the CD player. A return value of 0 means the operation was successful.
- 12.) PECDEject(drvRefNum as integer) as integer
This ejects the CD. A return value of 0 means the operation was successful.
- 13.) GetCDVolume(drvRefNum as integer, speaker as integer) as integer

This returns the volume setting of the CD audio. The return value will be in the range of 0-255. The "speaker" parameter is used to get the volume setting of the left, right or both speakers. The following values should be used:

Value	Speaker
0	Both Speakers
1	Right Speaker
2	Left Speaker

14.) `PECDSetVolume(drvrRefNum as integer, soundLevel as integer, speaker as integer)`
as integer

This method is used to set the volume of CD audio. The "soundLevel" parameter should be in the range of 0-255. The "speaker" parameter indicates which speaker to set. See method #14 above for details.

15.) `GetCurrentTrackLenMin(drvrRefNum as integer)` as integer

This returns the minutes portion of the length of the currently-playing track.

16.) `GetCurrentTrackLenSec(drvrRefNum as integer)` as integer

This returns the seconds portion of the length of the currently-playing track.

17.) `GetCurrentTrackLenFrame(drvrRefNum as integer)` as integer

This returns the frames portion of the length of the currently-playing track.

18.) `GetATrackLenMin(drvrRefNum as integer, track as integer)` as integer

This returns the minutes portion of the length of a specific track.

19.) `GetATrackLenSec(drvrRefNum as integer, track as integer)` as integer

This returns the seconds portion of the length of a specific track.

20.) `GetATrackLenFrame(drvrRefNum as integer, track as integer)` as integer

This returns the frames portion of the length of a specific track.

21.) `GetTitleOfTrack(drvr as integer, track as integer)` as string

Returns the name of the selected track as stored in the "CD Remote Programs" preference file used by the Apple CD Player.