cdev   Function entry for Control Panel Devices

Control Panel

long	**main(** *message, Item, numItems, CPanelID, theEvent, cdevValue, CPDialog* **);**	
short	*message ;*	number indicating type of event (see below)
short	*Item ;*	which dialog item was clicked?
short	*numItems ;*	number of Control Panel's dialog items
short	*CPanelID ;*	control Panel driver's ID
EventRecord	**theEvent ;*	was the Event a: hit, null, activate, deactivate, or key?
long	*cdevValue ;*	most recent long returned by this call
DialogPtr	*CPDialog ;*	pointer to Control Panel dialog
	returns	One of three function values indicating: display or not; error; data to be retained until next call

This is the main entry point for a code resource that implements a
Control Panel device.

message is chosen from a list of predefined values that lets the Control Panel tell the cdev what action it should take. For more information, see **About the Control Panel**.

Item is only used when the **Control Panel** delivers a hitDev message and gives the Item Number of the dialog item that was clicked.

numItems tells how many **Control Panel** items are in 'DITL' and precede the control device's dialog items.

CPanelID is the **Control Panel** driver's base resource ID.

theEvent is a pointer to the event record for the action that caused the message.

cdevValue can be either the 32-bit long last returned by **main** or a return message from the **Control Panel**, such as an error message.

CPDialog is a pointer to the **Control Panel** Dialog that the cdev is running in.

Returns: a 32-bit long which indicates either: 1) whether or not the cdev can run on this Macintosh or not; or 2) an error code; or 3) data (such as state information) to be stored until the next call by the **Control Panel** and passed back to the cdev in the cdevValue parameter

Notes: This function is called with the active resource file set to the cdev file, the

active grafPort set to the **Control Panel**'s dialog and the default volume set to the System Folder on the startup disk. In order for a cdev to work properly, it must leave these settings as they are.

If your control panel device uses dialogs or alert boxes the **cdev** function may be called reentrantly. Both **Alert** and **ModalDialog** call **SystemEvent** and **SystemTask**, possibly resulting in a nulDev or updateDev message while your cdev is still running.