

PBHSetVol

Select a default volume/directory (HFS only)

#include <Files.h>

File Manager (PBxxx)

OSErr **PBHSetVol**(*pb*, *async*);
WDPBPtr *pb*; address of a 52-byte WDPBRec structure
Boolean *async*; 0=await completion; 1=immediate return
returns Error Code; 0=no error

Apple does not recommend using **PBHSetVol** or **HSetVol**. See the notes below for details.

PBHSetVol is used to select both a default volume and a default working directory. The File Manager will use these defaults in future calls in which you specify no volume name and a volume reference number of 0. Unlike **SetVol** and **PBSetVol**, **PBHSetVol** lets you specify the volume and the directory separately, using the ioVRefNum and the ioWDDirID fields.

pb is the address of a 52-byte WDPBRec structure. The following fields are relevant:

<u>Out-In Name</u>	<u>Type</u>	<u>Size</u>	<u>Offset</u>	<u>Description</u>
-> ioCompletion	<u>ProcPtr</u>	4	12	Completion routine address (if <i>async</i> =TRUE)
-> ioNamePtr	<u>StringPtr</u>	4	18	Address of full or partial pathname (or NIL)
-> ioVRefNum	<u>short</u>	2	22	Volume reference number
-> ioWDDirID	<u>long</u>	4	48	ID of desired default working directory
<- ioResult	<u>OSErr</u>	2	16	Error Code (0=no error, 1=not done yet)

async is a Boolean value. Use FALSE for normal (synchronous) operation or TRUE to enqueue the request and resume control immediately. See Async I/O.

Returns: an operating system Error Code. It will be one of:

noErr (0)	No error
nsvErr (-35)	No default volume

Notes: You can specify the new default by any of the following options:

- A full or partial pathname (ends in a colon). Put the address of the pascal-style string in ioNamePtr
- A volume number or a working directory number in ioVRefNum. If you use a working directory reference it will affect how **PBGetVol** works.
- A directory number in ioWDDirID (as obtained via **PBOpenWD**).

See **SetVol** for an example showing usage of various ways to set a default volume and open a file.

PBHSetVol lets you specify a WDDirID for the ioVRefNum in addition to a partial pathname in ioNamePtr. **PBHSetVol** will start at the specified working directory and use the partial pathname to determine the final directory. This directory might not correspond to an already existing working directory, so the File Manager cannot refer to this directory with a WDDirID. Instead, it must use the actual volume refNum and the dirID number (which is assigned when the directory is created, and does not change). This all means that if you call **PBHSetVol**, the File Manager

stores the actual volume refNum as the default volume, and the default dirID separately. This will happen on all calls to **PBHSetVol**. Subsequent calls to **GetVol** or **PBGetVol** will return only the volume refNum in the ioVRefNum field of the parameter block. If any code tries to use the refNum returned by **GetVol**, it will be accessing the root of the volume, and not the current default directory as expected. This can be disastrous for desk accessories because they don't know that your code has called **PBHSetVol** and they don't get what they expect if they call **GetVol**.

Because of these problems, Apple does not recommend using **PBHSetVol** or **HSetVol**.