

ASPUserWrite Transfer data on a session

#include <AppleTalk.h>

AppleTalk Manager

OSErr **ASPUserWrite**(*xParamBlock*, *async*);
XPPParamBlkPtr *xParamBlock*; pointer to an AppleTalk parameter block
Boolean *async*; 0=await completion; 1=immediate return
returns **Error Code**; 0=no error

ASPUserWrite transfers data on a session. It is one of the two main calls that can be used to transfer data on an ASP session. It returns data in two different places. Four bytes of data are returned in the cmdResult field and a variable size reply buffer is also returned.

xParamBlock is a pointer to a parameter block structure. The relevant fields are as follows:

Out-InName	Type	Size	Offset	Description
← cmdResult	long	4	18	ASP command result
← csCode	short	2	26	Always ASPUserWrite
← sessRefnum	short	2	28	Session reference number
← aspTimeout	char	1	30	Retry interval in seconds
← cbSize	short	2	32	Command block size
← cbPtr	Ptr	4	34	Command block pointer
↔ rbSize	short	2	38	Reply buffer size and reply size
← rbPtr	Ptr	4	40	Reply buffer pointer
← wdSize	short	2	44	Write data size
← wdPtr	Ptr	4	46	Write data pointer
← ccbStart	record	296	50	Start of memory for CCB

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**.

aspBufTooSmall (-1067) Reply is bigger than response buffer; the buffer will be filled, data will be truncated
 aspParamErr (-1070) Server returned bad (positive) error code
 aspSessClosed (-1072) Session already in process of closing
 aspSizeErr (-1073) Command block size is buffer than MaxCmdSize

Notes: CmdResult is four bytes of data returned by the server.

SessRefnum is the session reference number returned in the **ASPOpenSession** call

ASPTimeOut is the interval in seconds between retries of the call. Notice that there is no aspRetry field (retries are infinite). The command will be retried at the prescribed interval until completion or the session is closed.

CBSize is the size in bytes of the command data that is to be written on the session. The size of the command block must not exceed the value of aspMaxCmdSize returned by the **ASPGetParams** call. Note that this buffer is not the data to be written by the command but only the data of the command itself.

CBPtr points to the command data.

RBSize is passed and indicates the size of the reply buffer in bytes expected by the command. RBSize is also returned and indicates the size of the reply that was actually returned.

RBPtr points to the reply buffer.

WDSIZE is passed and indicates the size of the write data in bytes to be sent by the command. WDSIZE is also returned and indicates the size of the write data that was actually written. WDPointer points to the write data buffer.

CCBStart is the start of the memory to be used by the .XPP driver for the command control block. The size of this block is equal to a maximum of 296 bytes.