

SUpdateSRT

Update the Slot Resource Table

#include <Slots.h>

Slot Manager

OSErr **SUpdateSRT**(*spBlkPtr*);
SpBlockPtr *spBlkPtr* ; address of 56-byte **Slot Parameter Block**
 structure
returns Error Code; 0=no error

SUpdateSRT updates the Slot Resource Table records spRefNum and spIOReserved with information about the sResource in slot spSlot with list spID and external device identifier spExtDev. Used only by the Operating System.

spBlkPtr is the address of a 56-byte **Slot Parameter Block** structure.
 The relevant fields are as follows:

<u>Out-In</u>	<u>Name</u>	<u>Type</u>	<u>Size</u>	<u>Offset</u>	<u>Description</u>
→	spIOReserved	<u>short</u>	2	36	Reserved field of Slot Resource Table
→	spRefNum	<u>short</u>	2	38	Slot Resource Table reference number
→	spID	<u>char</u>	1	50	sResource list ID
→	spExtDev	<u>char</u>	1	51	ID of the external device
→	spSlot	<u>char</u>	1	49	Slot number

Other parameters affected include:

spResult	<u>long</u>	4	0	FUNCTION result
spsPointer	<u>Ptr</u>	4	4	Structure pointer
spSize	<u>long</u>	4	8	Size of structure
spFlags	<u>char</u>	1	54	Internal use only

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

noErr	(0)	No error
smEmptySlot	(-300)	No card in slot.
smCRCFail	(-301)	CRC check failed.
smFormatErr	(-302)	FHeader format is not Apple's
smRevisionErr	(-303)	The revision of the card's declaration ROM is wrong.
smNoDir	(-304)	Directory offset is NIL
smNosInfoArray	(-306)	The SDM could not allocate memory for the sInfo array.
smResrvErr	(-307)	A reserved field of the declaration ROM was used.
smUnExBusErr	(-308)	An unexpected bus error occurred.
smBLFieldBad	(-309)	A valid <u>ByteLanes</u> field was not found.
smDisposePErr	(-312)	An error occurred during execution of DisposPointer.
smNoBoardSRsrc	(-313)	There is no board sResource.
smGetPRErr	(-314)	Error during execution of sGetPRAMRec.
smNoBoardId	(-315)	There is no board ID.
smInitStatVErr	(-316)	The InitStatus_V field was negative after Primary or Secondary Init.
smInitTblVErr	(-317)	Error while trying to initialize the sResource Table.
smNoJmpTbl	(-318)	Slot Manager jump table could not be created
smBadBoardId	(-319)	Board ID was wrong; reinit the PRAM record

Notes: This routine is called by IOCore whenever the driver for a slot device is opened or closed.