

Document	:	Saa7146aInterface
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Subject	:	DLL for SAA7146A based budget cards for creating/closing a handle to the driver

Revision/Date	Author	Description
20040627	M.Majoor	Initial draft

Saa7146aInterface.dll is a dynamic link library which can be used by application programmers acquire/release a handle to the SAA7146A driver for SAA7146A based budget cards.

Since the full source code is included with the dll, programmers should be able to retrieve all relevant information from that. For those which just want to use the dll, without browsing through source code, this document gives the basic information on how to use it.

Basic information:

- All function/procedures in the dll should be accessed using the **stdcall** calling convention.
- When accessing the dll functions by name, be aware that these names are case sensitive!
- All pointer types require that the caller has allocated the necessary memory for the result to be returned.

SAA7146AGETNUMBEROFCARDS (index 1, name 'Saa7146aGetNumberOfCards')		
function Saa7146aGetNumberOfCards		
IN	-	
OUT	INTEGER	Returns the number of SAA7146A cards in the system

SAA7146ACREATEFILE (index 2, name 'Saa7146aCreateFile')		
function Saa7146aCreateFile(Card)		
Note: Any acquired handle with this function should be balanced with a Saa714aCloseHandle call.		
IN	INTEGER Card	Card number (zero indexed) to acquire handle for. When using a number <0 then the first available card (for which no handle has yet been acquired) will be returned.
OUT	THANDLE	Acquired handle to driver for indicated card INVALID_HANDLE_VALUE if no handle acquired

SAA7146ACLOSEHANDLE (index 3, name 'Saa7146aCloseHandle')		
procedure Saa7146aCloseHandle(Handle)		
Note: Any acquired handle with the Saa7146aCreateFile function should be balanced with this call.		
IN	THANDLE Handle	Windows handle previously acquired with the Saa7146aCreateFile function

SAA7146AGETDRIVERVERSION (index 4, name 'Saa7146aGetDriverVersion')		
function Saa7146aGetDriverVersion(Handle, MajorVersion, MinorVersion, Build, DeviceName)		
IN	THANDLE Handle	Windows handle previously acquired with the Saa7146aCreateFile function
OUT	BOOLEAN	TRUE if valid results
	PWORD MajorVersion	Major version (X.y)
	PWORD MinorVersion	Minor version number (x.Y)
	PDWORD Build	Build number, typically displayed as hexadecimal number which shows as YYYYMMDD
	PCHAR DeviceName	Device name

SAA7146AGETCARDOFHANDLE (index 5, name 'Saa7146aGetCardOfHandle')			
function Saa7146aGetCardOfHandle(Handle)			
IN	THANDLE	Handle	Windows handle previously acquired with the Saa7146aCreateFile function
OUT	INTEGER		Card number associated with handle (<0 if no card associated)

SAA7146AGETHANDLEOFCARD (index 6, name 'Saa7146aGetHandleOfCard')			
function Saa7146aGetHandleOfCard(Card)			
IN	INTEGER	Card	Card to get already acquired handle for
OUT	THANDLE		Windows handle associated with card INAVLID_HANDLE_VALUE if the card has no associated handle.