SDK - HTMarch.dll Manual

VB 6.0 IDE

Note:

HTMarch.dll was compiled under VC++6.0.

The following ifdef block is the standard way of creating macros which make exporting from a DLL simpler. All files within this DLL are compiled with the HTMARCH_API symbol defined on the command line. this symbol should not be defined on any project that uses this DLL. This way any other project whose source files include this file see HTMARCH_API functions as being imported from a DLL, wheras this DLL sees symbols defined with this macro as being exported.

```
#ifndef    HTMARCH_API
#define    HTMARCH_API    extern "C" __declspec(dllimport)
#endif
```

```
#define WIN_API __stdcall
```

Function Introduction

1. **Function declaration:**

   HTMARCH_API short WIN_API   dsoOpenDevice(unsigned short DeviceIndex)

Return value: Return zero (0) indicates device isn't connected; return one (1) indicates device connected.

Parameter:

DeviceIndex

The first connected device index is 0, and others sequentially numbered.

Remark:

The device whose device index value is judged as DeviceIndex whether connected to PC or not.

Programme example:

```
unsigned short nDev = 0;
if(dsoOpenDevice(0) == 1)
{
    ;// Device connected
}
Else
{
    ;// Not detect device
}
```

2. **Function declaration:**

   HTMARCH_API unsigned short WIN_API dsoChooseDevice(unsigned short DeviceIndex, short nType);

Return value: Return zero (0) indicates failure; return one (1) indicates success.

Parameter

DeviceIndex

indicates current device index value.

nType

0: logic analyzer Hantek6022BL

1: Hantek6022BE

Remark:

Choose device

3. Function declaration:

HTMARCH_API short WIN_API dsoSetTimeDIV(unsigned short DeviceIndex,int nTimeDIV);

Return value: one (0) for setup success and zero (0) for failure.

Parameter

nDeviceIndex

indicates current device index value.

nTimeDIV

indicates current sampling rate index value, following is the value.

0 : 48MSa/s

1: 16MSa/s

2: 8MSa/s

3: 4MSa/s

4: 1MSa/s

5: 500KSa/s

6: 200KSa/s

7: 100KSa/s

Remark:

Setup device sampling rate.

4. Function declaration:

```
HTMARCH_API short WIN_API dsoReadHardData_LA(
                unsigned short DeviceIndex,
                short* pData1,
                  short* pData2,
                unsigned long nReadLen,
                int nTimeDIV,
                );
```

Return value: Reading data, return “-1” for failure and non “-1” for success.

Parameter:

unsigned short DeviceIndex: Device index value

short* pData1: CH0-CH7 data storage buffer pointer

short* pData2: CH8-CH15 data storage buffer pointer

unsigned long nReadLen: The length of reading data

int nTimeDIV: Sampling rate

Remark:

Call this function to read data.