

```

#include "common.h"

#include <stdbool.h>
#include <stdint.h>

#include "usplib.h"
#include "usplib/usplib.h"
#include "usb_descriptors.h"
#include "inc/hw_types.h"
#include "driverlib/usb.h"
#include "usplib/usplib.h"
#include "usplib/usbcdc.h"
#include "usplib/usb-ids.h"
#include "usplib/device/usbdevice.h"
#include "usplib/device/usbdcdc.h"

//-----
// LANGUAGE SUPPORTED |
//-----  

const u8 UsbLanguageDescriptor[] = {

    4,
    USB_DTYPE_STRING,
    USBShort(USB_LANG_EN_US)
};

//-----  

// MANUFACTURER |
//-----  

// "Multiverse Amps"  

const u8 UsbMfgString[] = {

    2 + (15 * 2),
    USB_DTYPE_STRING,
    'M', 0, 'u', 0, 'l', 0, 't', 0, 'i', 0, 'v', 0, 'e', 0, 'r', 0, 's', 0, ' ', 0,
    'A', 0, 'm', 0, 'p', 0, 's', 0,
};

//-----  

// PRODUCT |
//-----  

// "Multiverse Proto 2"  

const u8 UsbProductString[] = {

    2 + (18 * 2),
    USB_DTYPE_STRING,
    'M', 0, 'u', 0, 'l', 0, 't', 0, 'i', 0, 'v', 0, 'e', 0, 'r', 0, 's', 0, 'e', 0, ' ', 0,
    'P', 0, 'r', 0, 'o', 0, 't', 0, 'o', 0, ' ', 0, '2', 0,
};

//-----  

// SERIAL NUMBER |

```

```

//-----|-----|
// "12345678"

const u8 UsbSerNmbString[] = {
    2 + (8 * 2),
    USB_DTYPE_STRING,
    '1', 0, '2', 0, '3', 0, '4', 0, '5', 0, '6', 0, '7', 0, '8', 0
};

//-----|-----|
//-----|-----|
// CONTROL INTERFACE DESCRIPTION |-----|
//-----|-----|
// "ACM Control Interface" *FIXME* ???

const u8 UsbCtlInterfaceString[] = {
    2 + (21 * 2),
    USB_DTYPE_STRING,
    'A', 0, 'C', 0, 'M', 0, ' ', 0, 'C', 0, 'o', 0, 'n', 0, 't', 0,
    'r', 0, 'o', 0, 'l', 0, ' ', 0, 'I', 0, 'n', 0, 't', 0, 'e', 0,
    'r', 0, 'f', 0, 'a', 0, 'c', 0, 'e', 0
};

//-----|-----|
//-----|-----|
// CONFIGURATION DESCRIPTION |-----|
//-----|-----|
// "Self Powered Configuration" *FIXME* ???

const u8 UsbConfigString[] = {
    2 + (26 * 2),
    USB_DTYPE_STRING,
    'S', 0, 'e', 0, 'l', 0, 'f', 0, ' ', 0, 'P', 0, 'o', 0, 'w', 0,
    'e', 0, 'r', 0, 'e', 0, 'd', 0, ' ', 0, 'C', 0, 'o', 0, 'n', 0,
    'f', 0, 'i', 0, 'g', 0, 'u', 0, 'r', 0, 'a', 0, 't', 0, 'i', 0,
    'o', 0, 'n', 0
};

//-----|-----|
// DESCRIPTOR TABLE |-----|
//-----|-----|
const u8 * const UsbStringsStruct[] = {

    UsbLanguageDescriptor,
    UsbMfgString,
    UsbProductString,
    UsbSerNmbString,
    UsbCtlInterfaceString,
    UsbConfigString
};

#define NUM_STRING_DESCRIPTOR (sizeof(UsbStringsStruct) / sizeof(u8 *))

```



```
TxHandler,           // pfnCallback
(void *) &CdcDeviceStruct, // Callback data is our device pointer.
USBDCDCPacketWrite, // pfnTransfer
USBDCDCTxPacketAvailable, // pfnAvailable
(void *) &CdcDeviceStruct, // pvHandle
UsbTxBuffer,        // pcBuffer
USB_TX_BUFF_SIZE,   // ulBufferSize
};

//-----
```