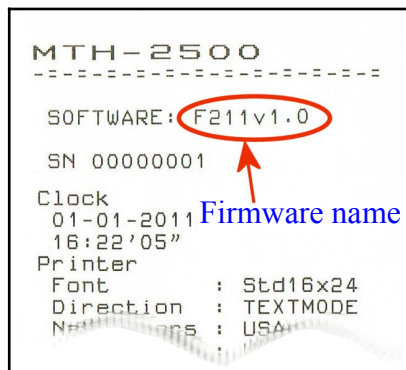# Firmware upload
on some Andig USB printers

Firmware in some Andig USB printers is uploadable through the USB interface at the power-up with the windows software tool HIDbootloader (see page 4, where you can get HIDbootloader).
New firmwares are available directly from Andig.

Firmware Selection :
Firmwares are hex files. Be sure the firmware you want to upload is written for your controller board. The programming tools doesn't check if you expect to upload an incorrect firmware.
The use of an incorrect firmware can destroy your hardware !
The selftest of your printer prints the name of its firmware, select a firmware with the same basis name, versions can be different.

```
MTH-2500
-=-=-=-=-=-=-=-=-=-=-=-=-=-=

 SOFTWARE: F211v1.0

 SN 00000001

 Clock
 01-01-2011      Firmware name
 16:22'05"
 Printer
 Font        : Std16x24
 Direction   : TEXTMODE
 N            rs : USA
```

Compatible firmwares:
- F211v0_9.hex
- F211v1_0.hex
- F211v1_1.hex
- etc...

Firmware upload updates only the printer firmware.
The integrated uploader, the logo or the programmed messages and the parameters are not modified.
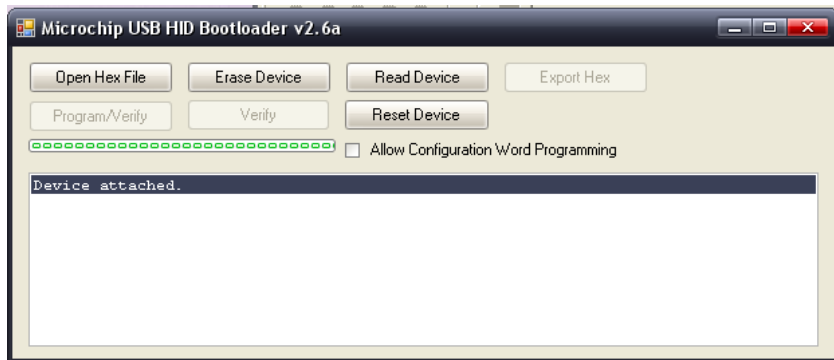So, in case your upload fails, it is always possible to try upload it again.
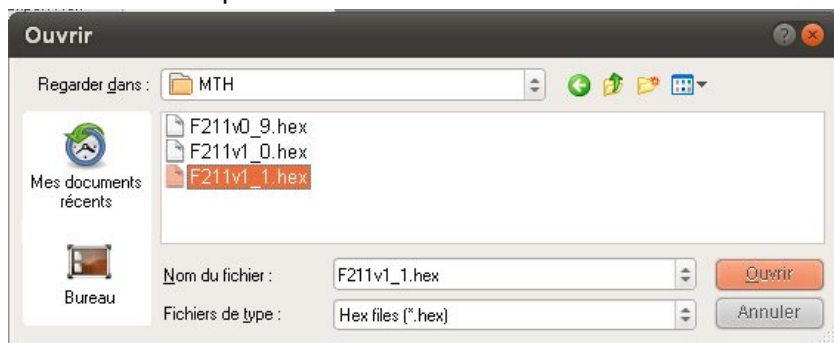
Firmware upload procedure :

1. Power off the printer
2. Execute the HIDbootloader.exe. In the software window, a status line indicates if a device is present or not.
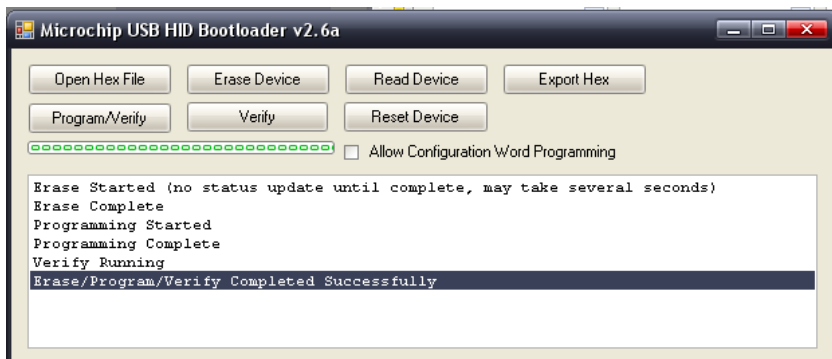

3. Connect the USB cable between the computer and the printer

4. Press down the push-button which calls the firmware uploader and power on the printer.
   On MTH-2500 and MTH-3500, push-button is '■' button.
   On MRSi and MRTi, push-button is 'Next' button.
   On BWT-385, push-button is 'Config' button.
   For other printers, see in the printer documentation.

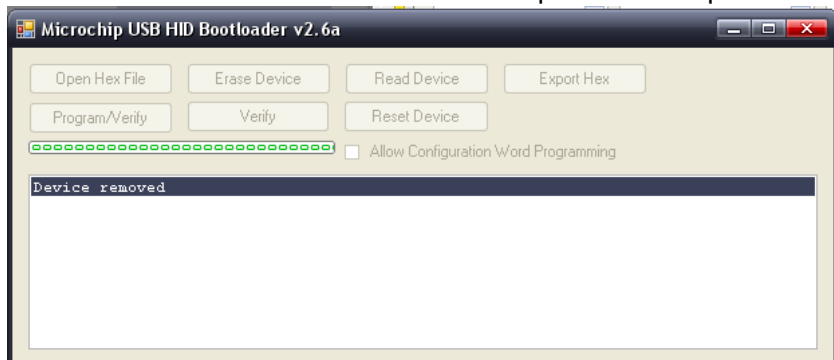5. HIDBootloader software must detect the printer

6. Open a new firmware, according to the version you want, with the button « Open Hex File »

7. Click on button « Program/Verify »

8. Click on the button « Reset Device » or power off the printer.

HIDBootloader :
This application is downloadable on the Microchip website.

It is included in the « Microchip Applications Libraries » and can be found in the folder « Libraries Microchip Solutions\USB Device - Bootloaders\HID - Bootloader. ».
Because these libraries are very heavy, you can download only the bootloader on our website with this link :

[HIDBootLoader2_6a.zip]