FIRMWARE UPDATE

Updates of the firmware (controller software) will be available for registered and approved customers only.
As new and enhanced functions and improved protocol support are added, updates may be a valuable tool for old and new installations.

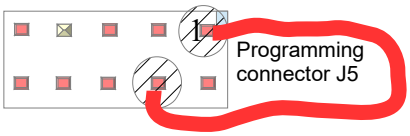
Note however that the pre-installed firmware delivered with ND5134 when you do the original purchase is the only warranted setup. Updates are done at your own risk.

You will need:

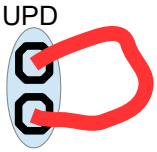
- A Windows v7 or v10 PC with USB
- Download TeraTerm (TT) and make sure virtual ports are installed on your PC.
- USB virtual port drivers (normally done more or less automatic when connecting a card)

(for windows: CP210xVCPInstaller_x64.exe look at http://www.silabs.com/products/mcu/pages/usbtouartbridgevcpdrivers.aspx)

- A USB-A to USB-micro cable to power and transfer data.
- Pliers or connector to short out 2 pins at power-up

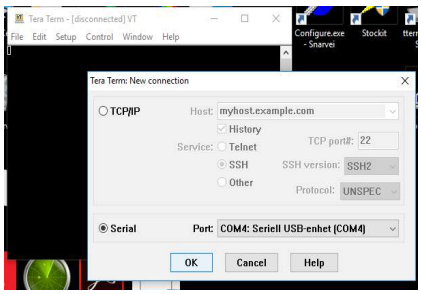


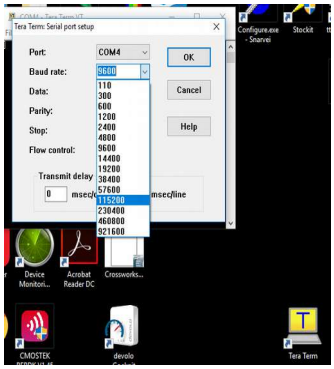
OR

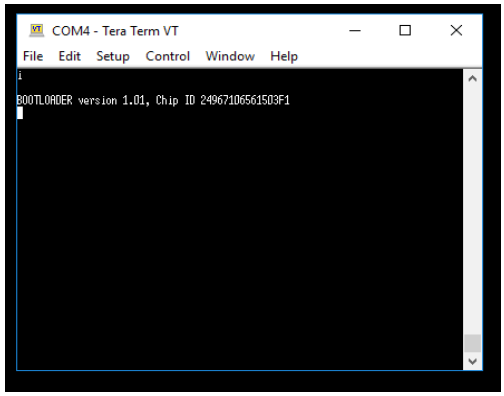


- Connect the micro USB to the card
- The new file (ND5134v054xxxx.bin)

When pins are shorted and the ND5134 is connected+powered through the USB cable, the ND5134 card seem unresponsive. TeraTerm is started and correct serial comm port at 115200, N, 8, 1 is selected.







The card should respond to TT by 'i' command for info telling:

"Bootloader version x.xx. Chip ID xxxxxxxxxxxxxx"

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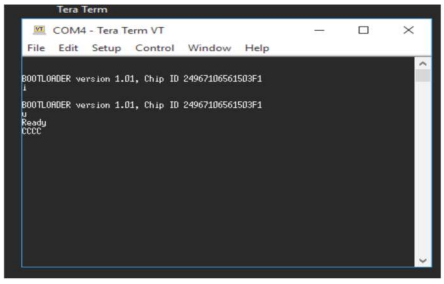
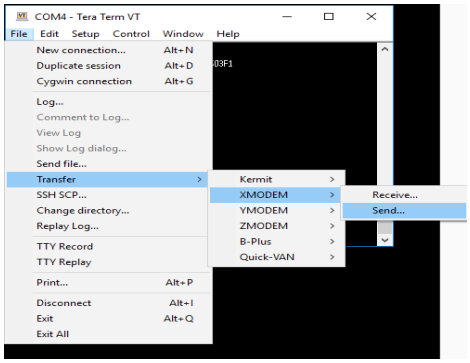
Use the 'u' command by typing 'u' to upload; A ready-message should appear in TT.

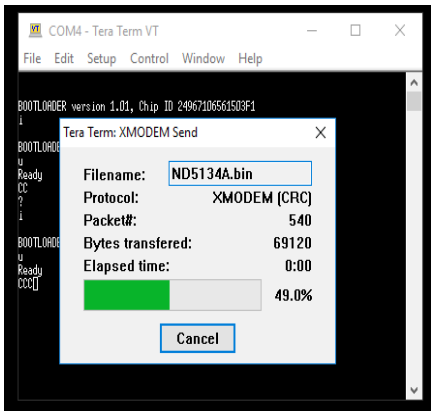


Upload using TeraTerm:

Fil | Transfer | XMODEM | Send

and select the file plus option CRC.





A minimum of sensible response should be noted from TT.

Reboot by disconnect and reapply power. The new version number should appear. Note that you generally have to re-program the operative parameters after firmware updates.

More help? Check https://www.silabs.com/Support%20Documents/TechnicalDocs/AN0042.pdf