

Instruction of Bootloader

V01.03

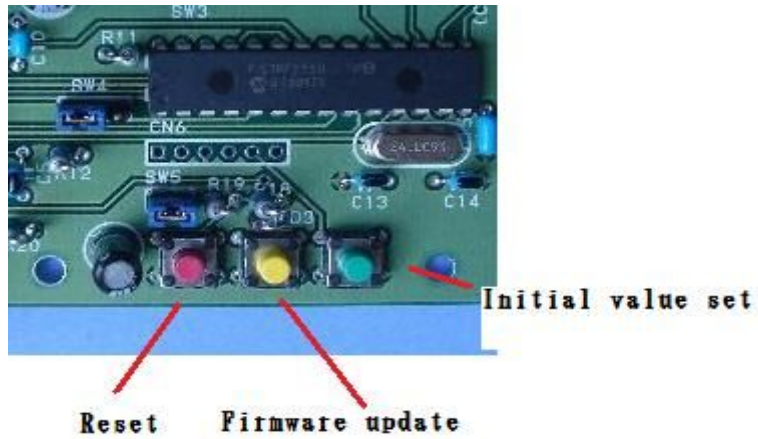
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1. You must download the update.zip from my website.
(http://d-star.dyndns.org/NODE_V7/programs/update.zip)
2. unzip the undate.zip
3. If I update the firmware, I will send you the new firmware (hex file).
Name of hex file is node_n.hex.
4. You put the node_n.hex file on same directory of update program.
5. You must set the SW4 to normal position. Do not set stand alone repeater mode.
6. Connect USB cable between PC and Node adapter
7. Push the SW7 (FW update switch) and SW6 (Reset switch) at same time.
8. Release the SW6 (Reset switch). Do not release SW7 (FW update switch).
9. Release the SW7 (FW update switch) until 2 or 3 second after releasing SW6 (Reset switch)
(S/N 82 or later user: please wait until the cos LED blinking.)
10. Check the COS LED. If COS LED is on, node adapter is waiting the new firmware update.
11. Open the command/CMD prompt windows.
12. Change the directory to the update.bat and node_n.hex directory.
13. You run the update.bat on command/cmd window. Firmware will be updated automatically. (not need programmer) you can see following messages.

```
DV Firmware Updater flash erasing: DONE.
DV Firmware Updater id programming: DONE.
DV Firmware Updater eeprom programming: DONE.
DV Firmware Updater flash programming: DONE.
DV Firmware Updater id programming: DONE.
DV Firmware Updater eeprom programming: DONE.
DV Firmware Updater flash verifying: DONE.
DV Firmware Updater id verifying: DONE.
DV Firmware Updater eeprom verifying: DONE.
RESET Device
Operation successfully completed.
```

If you does not, please try from 4 step to 11 step.



Remark:

Node_n.hex is depended on each Node adapter. So, do not use another node adapter.

Also, the bootloader has code protected. So do not read out or modify this PIC. If you do it, PIC is erased all data automatically.

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