How to upgrade firmware of uBDMDX and uBDMSX

For uBDMSX download **DB12SFW.zip** from link below.
http://www.freescale.com/files/soft_dev_tools/software/app_software/dbug_rom_monitors/DB12S12FW.zip

Unzip to locate **db12DP256-16.S19**

For uBDMDX download **MC68HC912D60EVBFW22.zip** from the link below
http://www.freescale.com/files/microcontrollers/software/app_software/dbug_rom_monitors/MC68HC912D60EVBFW22.zip

Unzip to locate **db12D60-16.s19**

For uBDM the firmware cannot be upgraded
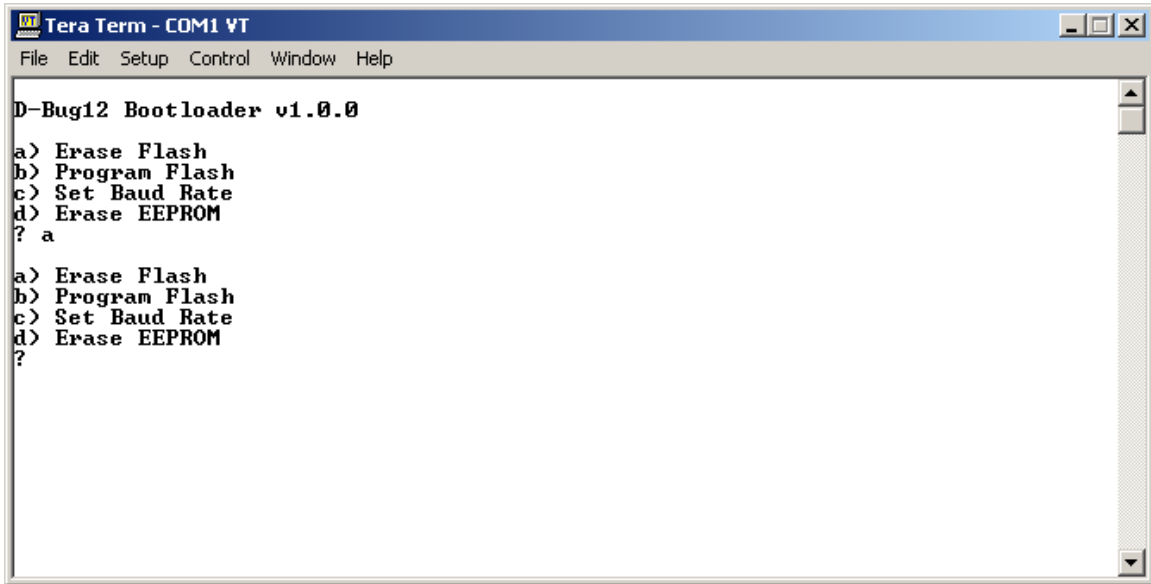
Steps are:

1. Open Housing
2. Locate JB1
3. Before manipulating JB1 ensure to note the jumper block positions before
4. Move Jumper blocks to 1:1 postion
5. Open any terminal window and set BAUD = 9600, 8, N, 1 make sure to enable Xon/XOFF
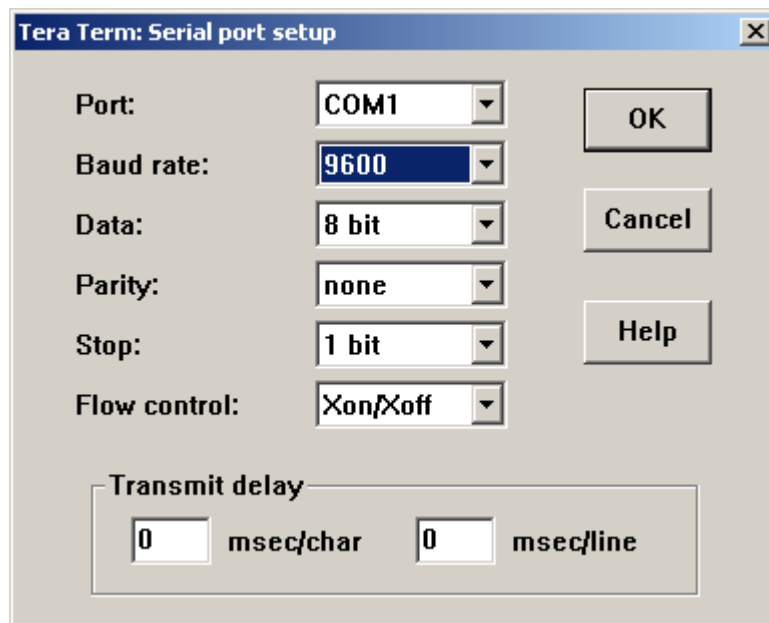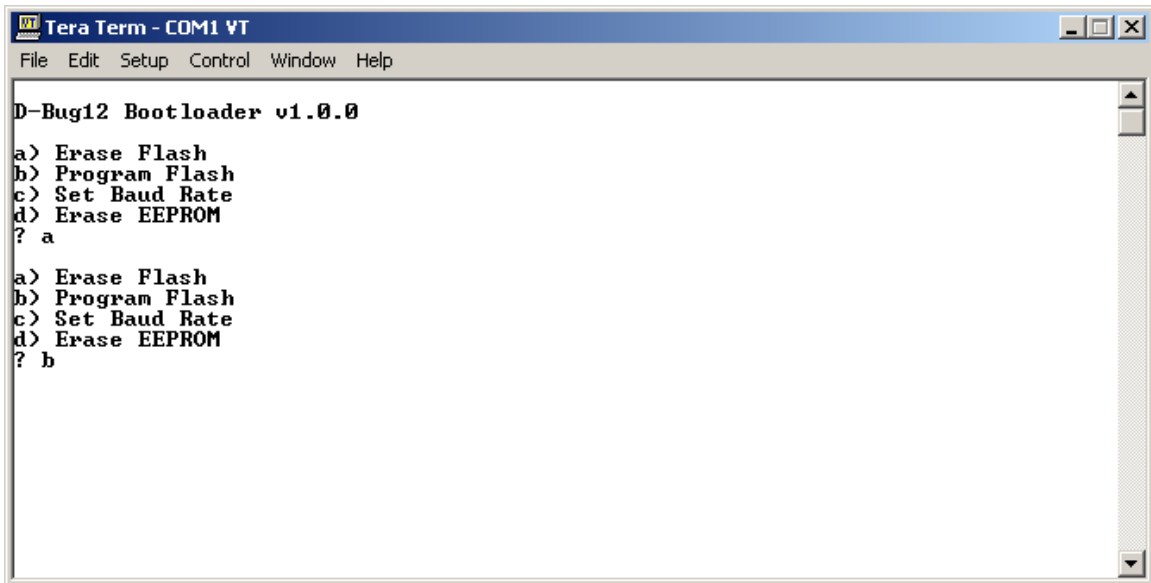
6. Connect serial cable to PC and POD
7. Power up POD by connecting to a target, then power up target.
8. Erase FLASH by pressing *a*

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Tera Term - COM1 VT                                    _ □ ×
File  Edit  Setup  Control  Window  Help

D-Bug12 Bootloader v1.0.0

a) Erase Flash
b) Program Flash
c) Set Baud Rate
d) Erase EEPROM
? a

a) Erase Flash
b) Program Flash
c) Set Baud Rate
d) Erase EEPROM
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9. To program Select **b**

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Tera Term - COM1 VT                                    _ □ ×
File  Edit  Setup  Control  Window  Help

D-Bug12 Bootloader v1.0.0

a) Erase Flash
b) Program Flash
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d) Erase EEPROM
? a

a) Erase Flash
b) Program Flash
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d) Erase EEPROM
? b
```

10. Locate the appropriate file. In this example it is **db12DP256-16.S19** for uBDMSX

Tera Term: Send file

Look in: DB12S12FW

- oldVersion
- Boot.zip
- BootDP256.Asm
- BootEVB-16.S19
- Config.Asm
- CRG.Asm
- CustData.Asm
- db12DP256-16.S19
- db12DP256-16c.S19
- db12dp256.zip
- DB12RG4.pdf
- Flash.Asm
- MEBI.Asm
- MMC.Asm
- PIM.Asm
- SCI.Asm

File name: db12DP256-16.S19   Open

Files of type: all   Cancel

Help

Option
- Binary

Files being uploaded.

Tera Term: Send file

Filename: db12DP256-16.S19

Bytes transfered: 2000

Close   Pause   Help

After a successful programming.

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Tera Term - COM1 VT                                              _ □ ×

File  Edit  Setup  Control  Window  Help

D-Bug12 Bootloader v1.0.0

a) Erase Flash
b) Program Flash
c) Set Baud Rate
d) Erase EEPROM
? a

a) Erase Flash
b) Program Flash
c) Set Baud Rate
d) Erase EEPROM
? b
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a) Erase Flash
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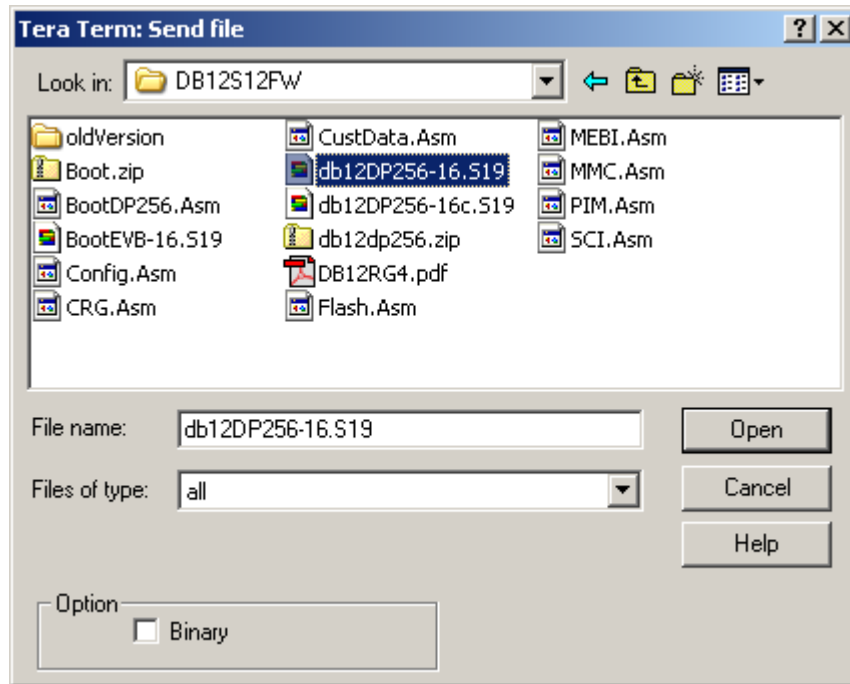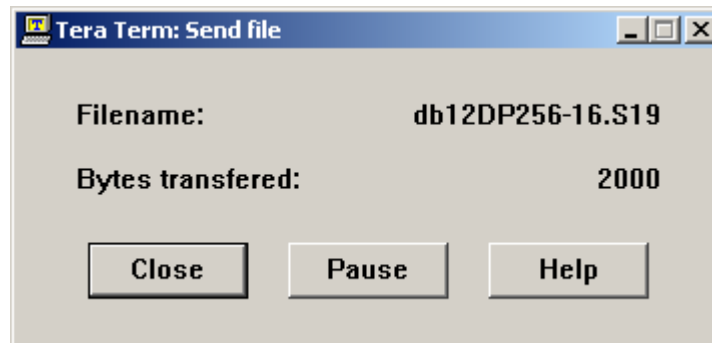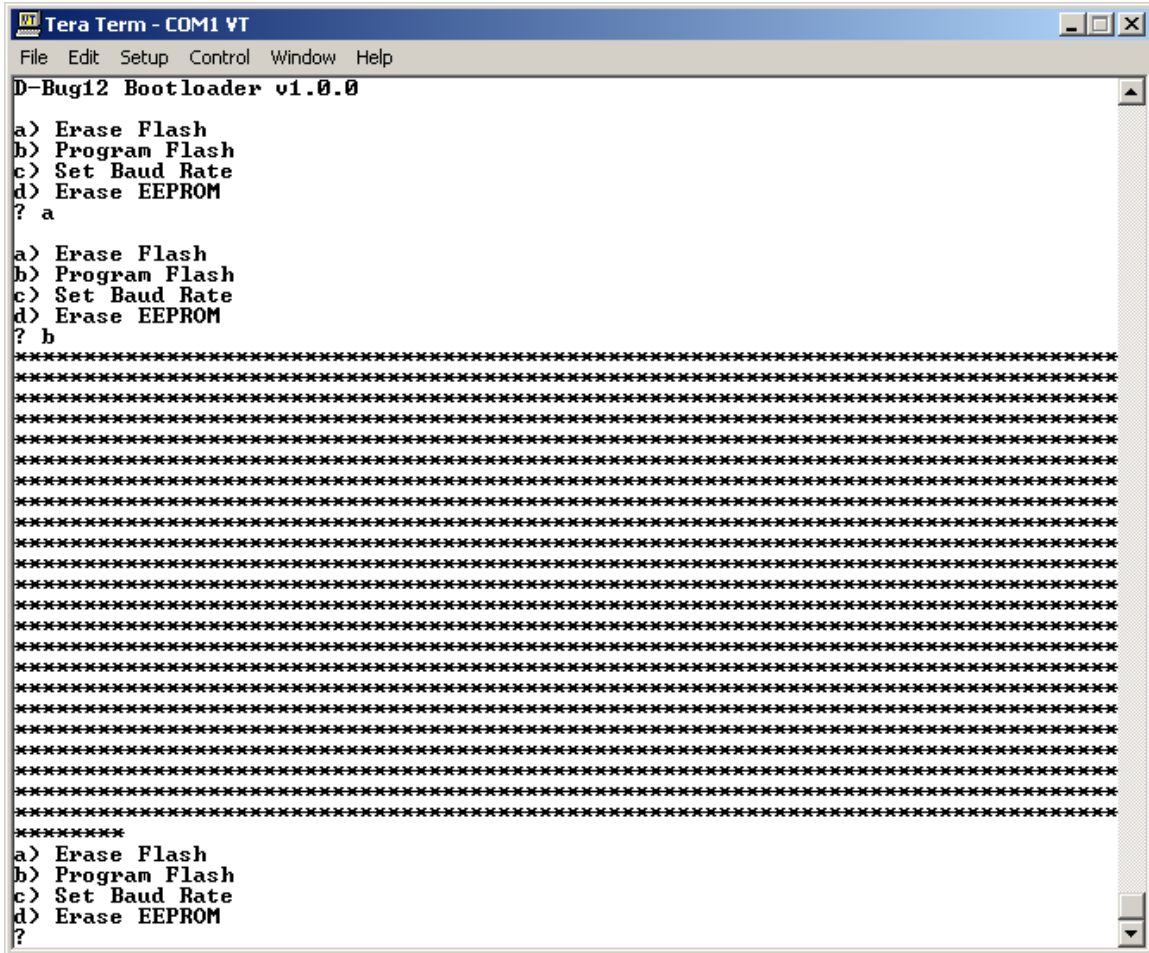
11. Move jumper blocks as previously set.
12. Close housing, the POD is now upgraded.