

DV Bank

Firmware Upgrade Procedure



<http://www.datavideo-tek.com>

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Equipment Required:

DV-Bank x 1unit, RS232 Cable x 1pcs, PC x 1set

Step1: Hard ware Install

- a. Turn Off DV-Bank Power.
- b. DV-Bank connect with PC System COM1 Serial port via RS-232 adaptor Cable.



Upgrade Firmware Procedure for NTSC System

Step 1: Down Load Firmware

- a. Down Load Firmware from website:

<http://www.datavideo-net.com/techinfo/dvbank-series/download/download.htm>

- b. Save the download Firmware file Dm09.zip to C:\

Step 3: Down Load program Tera term pro 2.3


- a. Down Load program Tera term pro 2.3 from website:

<http://hp.vector.co.jp/authors/VA002416/teraterm.html> (ttermp23.zip)

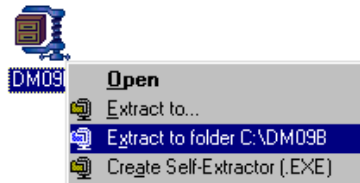
- b. Save ttermp23.zip to C:\

Step 4 : Extra Firmware Dm09.zip:

- a. Move Mouse cursor to "My Computer"  and Double Click left button.

- b. Move mouse cursor to " C (C:)"  and double click left button.

- c. Move mouse cursor to " DM09B"  and click right button

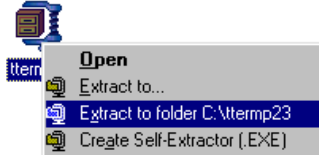


- d. Click "Extract to folder C:\DM09B"

Step 5: Install Tera Term Pro Software



a. Extract ttemp23.zip › move mouse cursor to ttemp23 , click right button



b. Click "Extract to folder C:\ttemp23"

Step 6: Setup Tera Term 2.3 Pro Software:

a. move mouse cursor to C:\



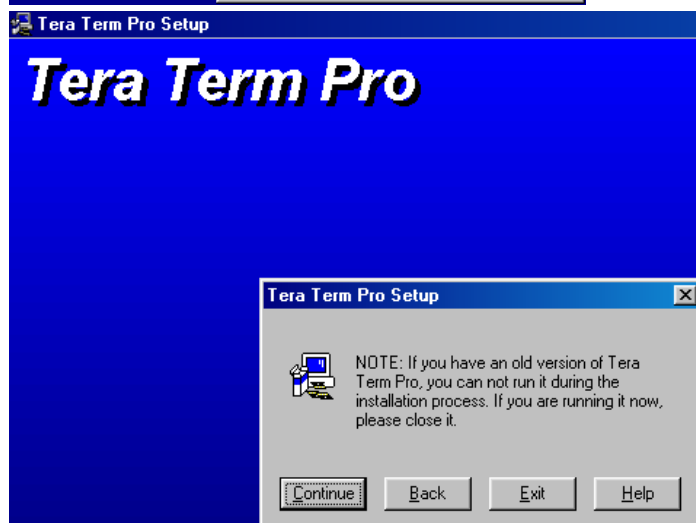
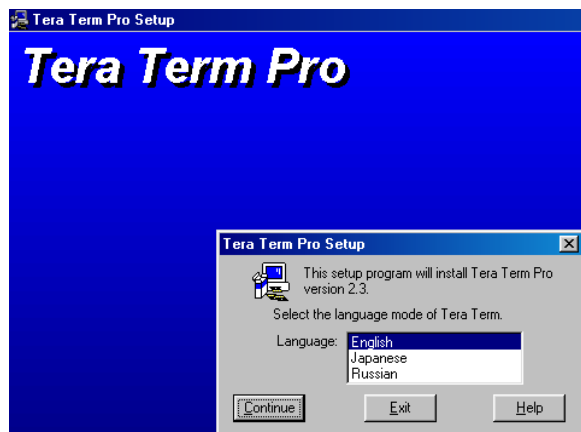
b. Double Click ttemp23 ttemp23



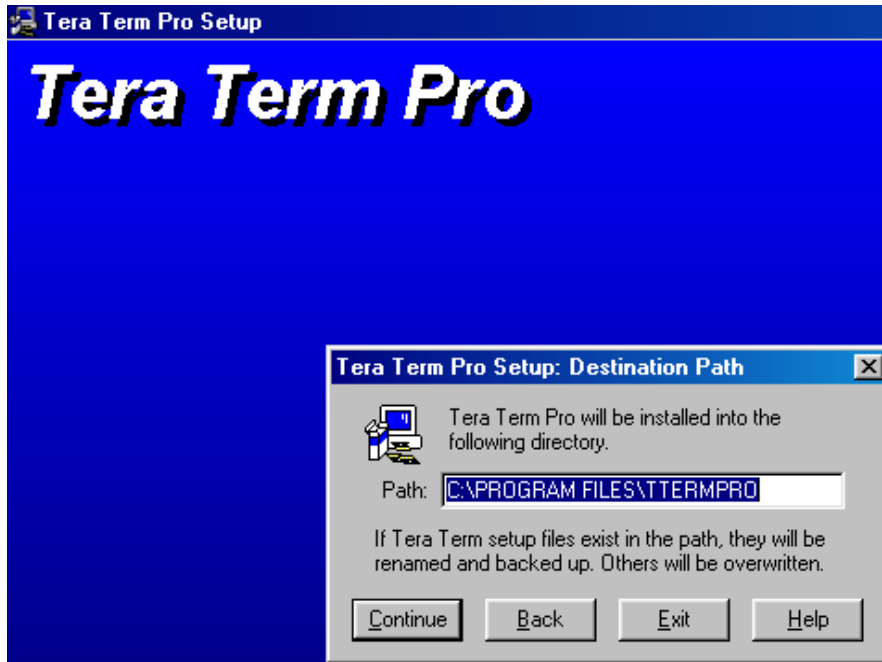
c. Double Click "Setup" setup


d. Setup screen appear.

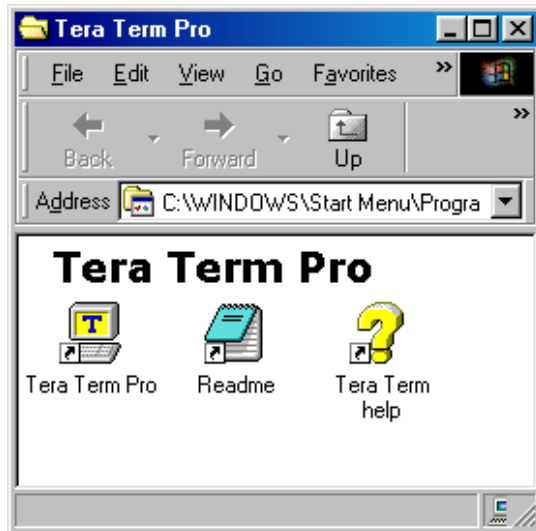
Step 06 : Choose Language and click Continue Button



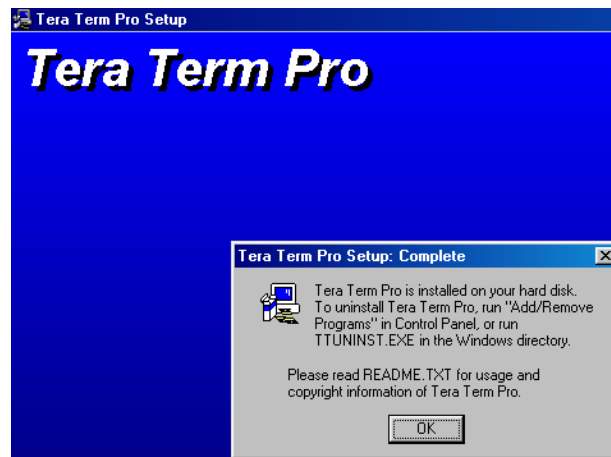
Step 07 : click Continue Button



Step 08 : Click  Button, firmware download complete.




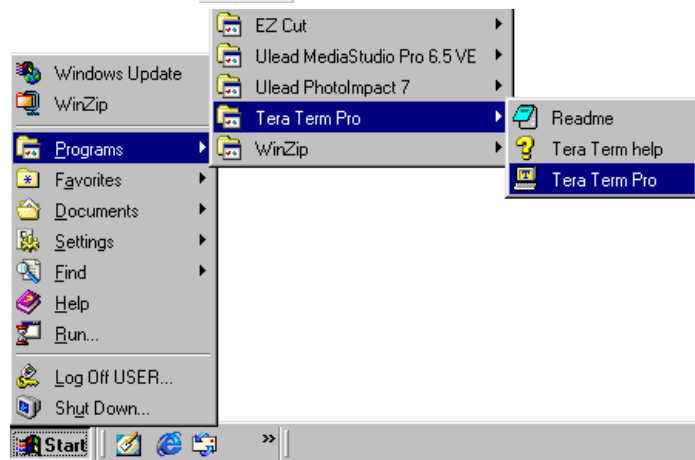
Step 09 : click OK Button



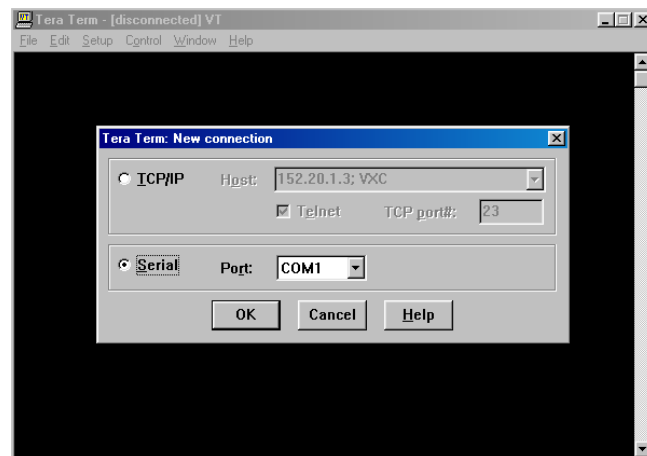
Step10 :

Run Tera Term Pro software and setup software:

a. Click "Start"  to run Tera Term pro Program

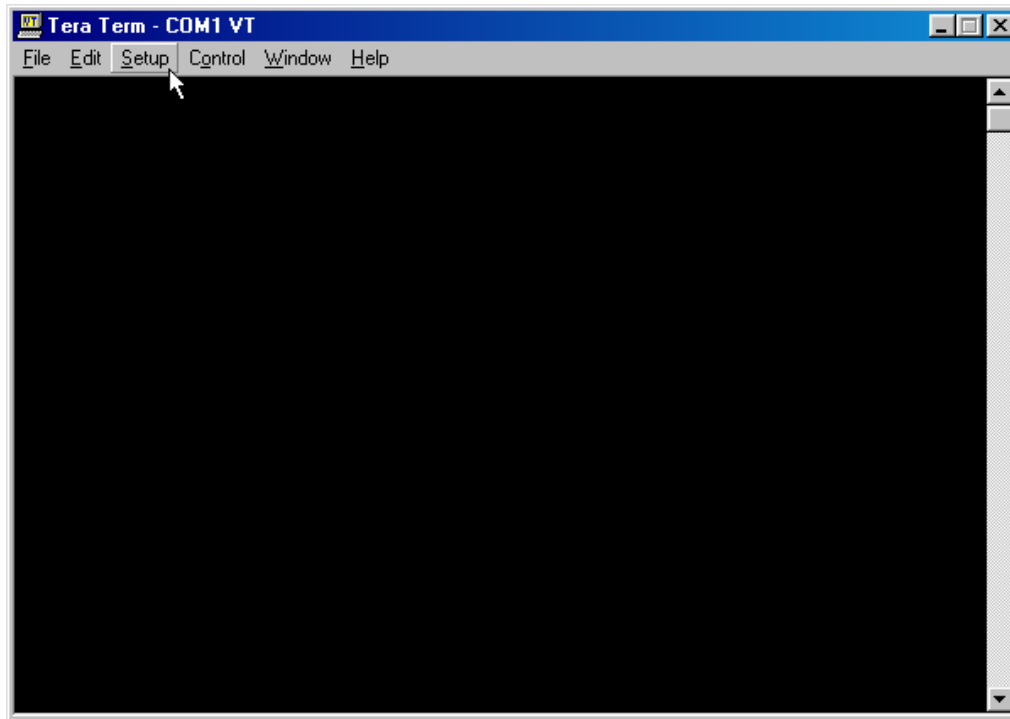


Step11 : Select Serial mode and choose COM1 port than click OK button

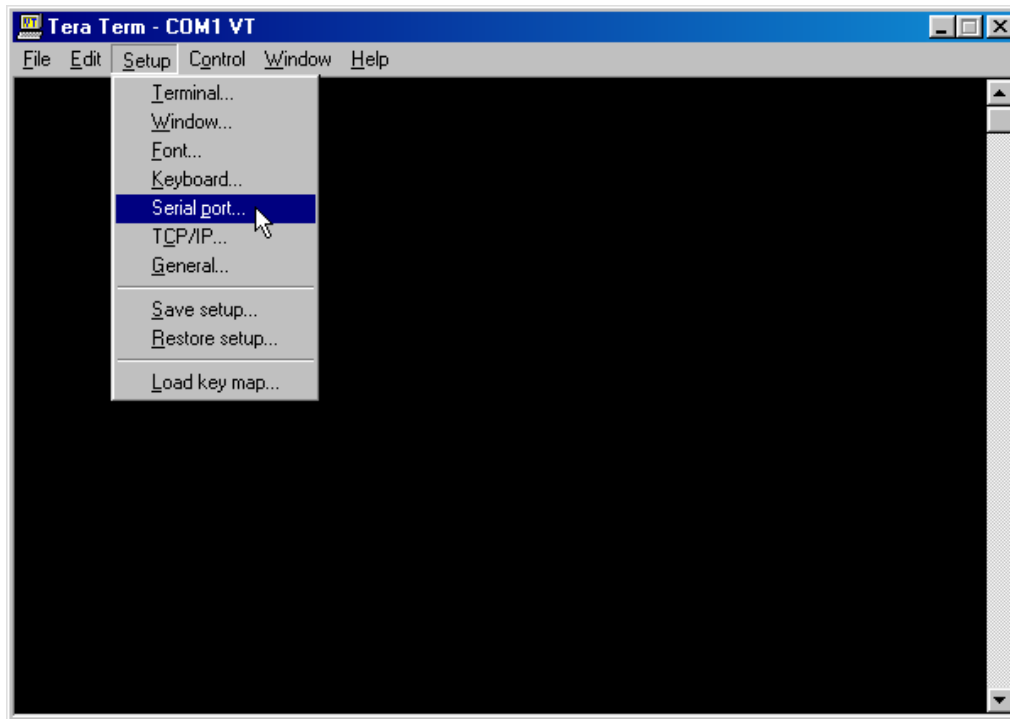


Step12 : Setup the Baud rate

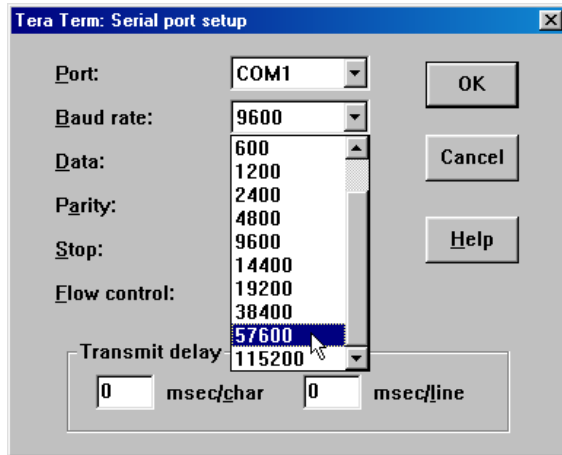
Move mouse cursor to the screen Setup icon and click mouse left button.



Step19 : Select Serial port

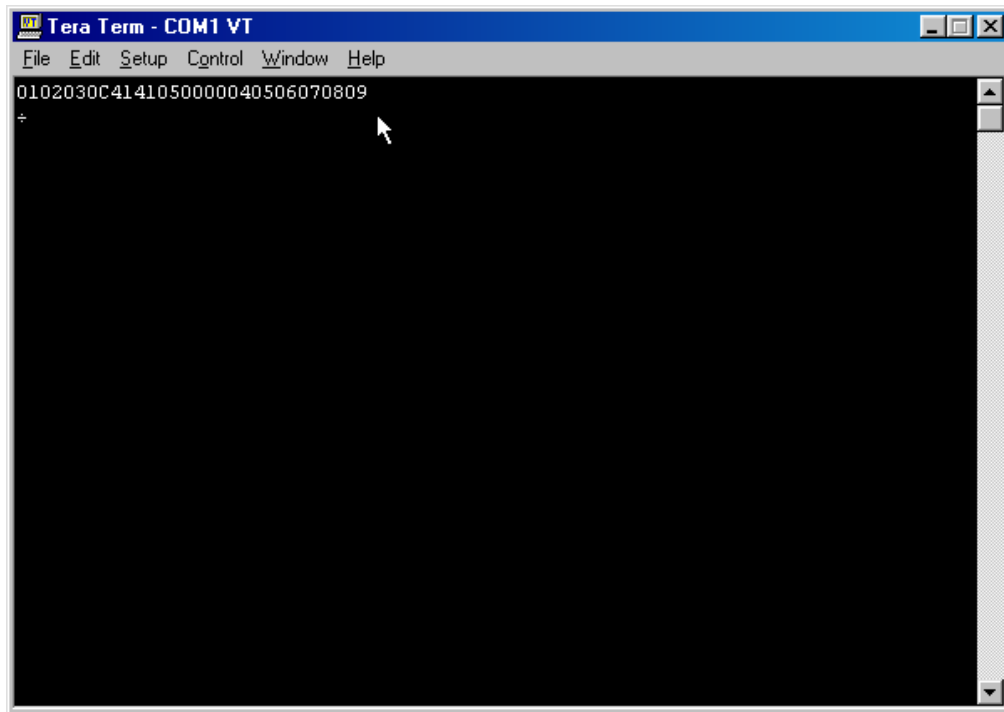


Step20 : Choose Baud rate 57600 and click OK button.



Step23 :

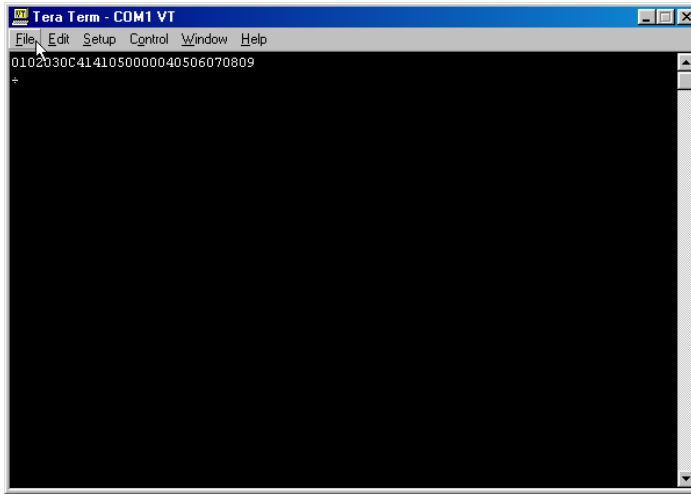
Turn on the DV Bank power, the Tera Term screen will appear the number 0102030C4141050000040506070809 to indicate firmware update successfully, please refer the screen as below.



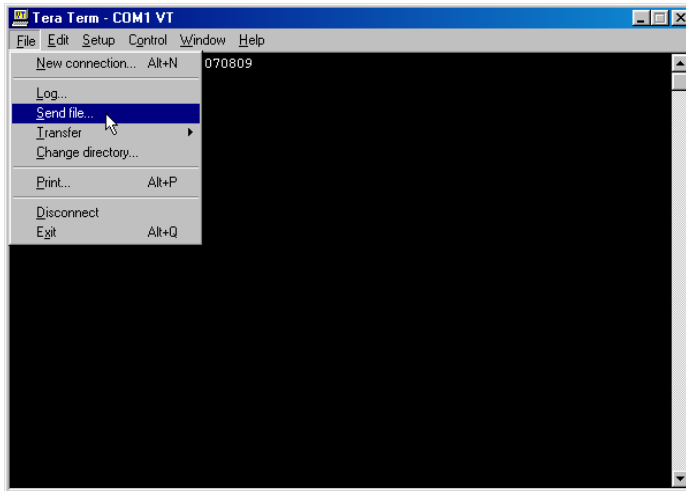
If the serial number yours is different with the list as above on the screen, please refer page 21 to Erase old firmware and prepare to update the new firmware.

Step24 : Erase Old Firmware File

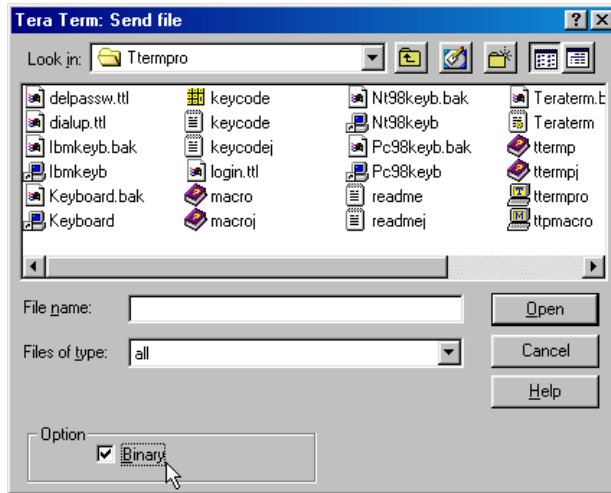
a. Please move mouse cursor to ``File`` and Click the File.



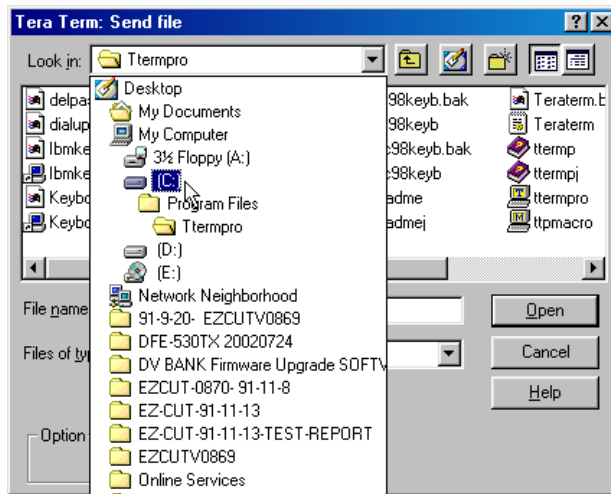
Step25 : Click Send file , please refer the below screen.



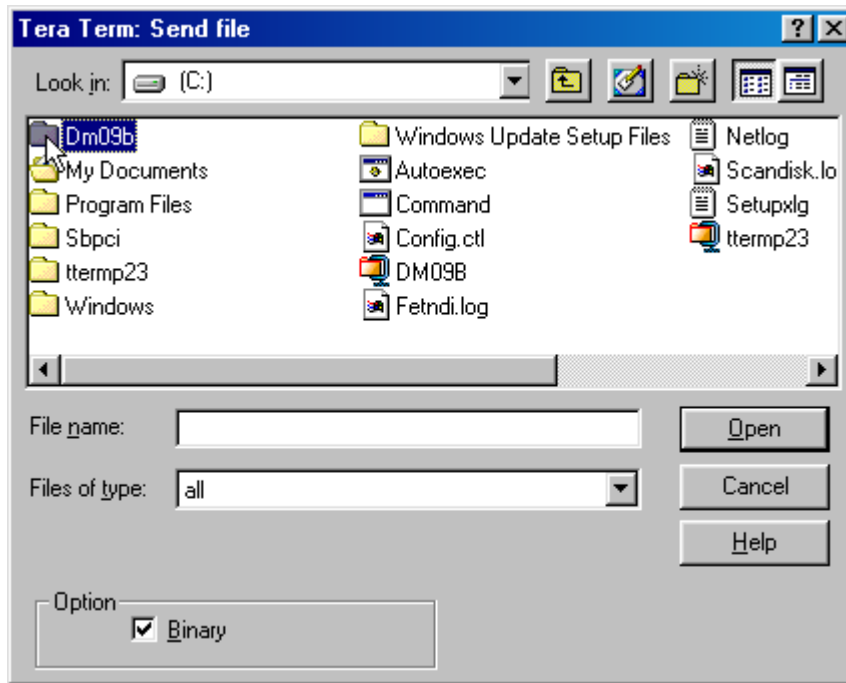
Step26 : Choice Binary Option



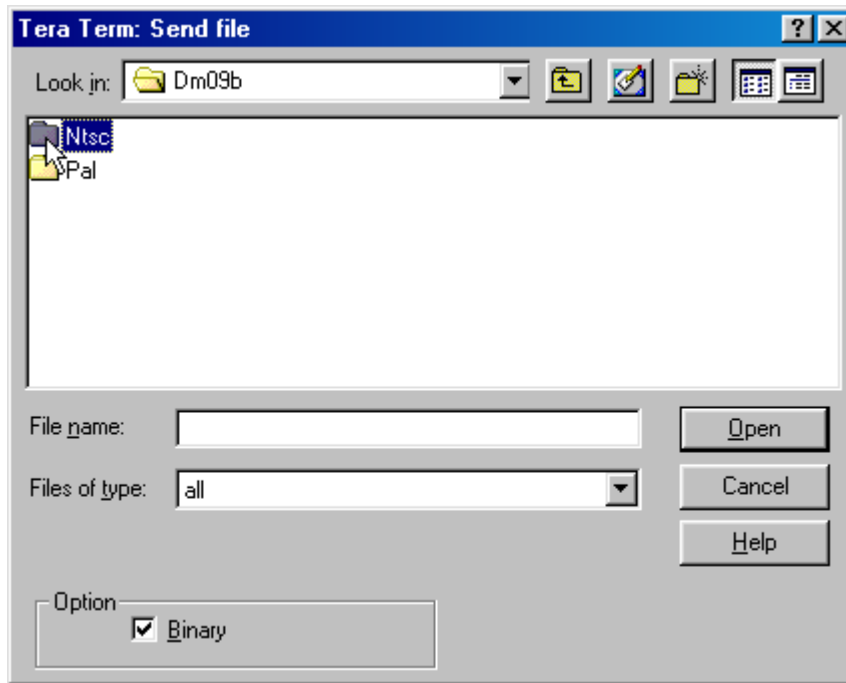
Step27 : Click look in icon the select , choice (C:)



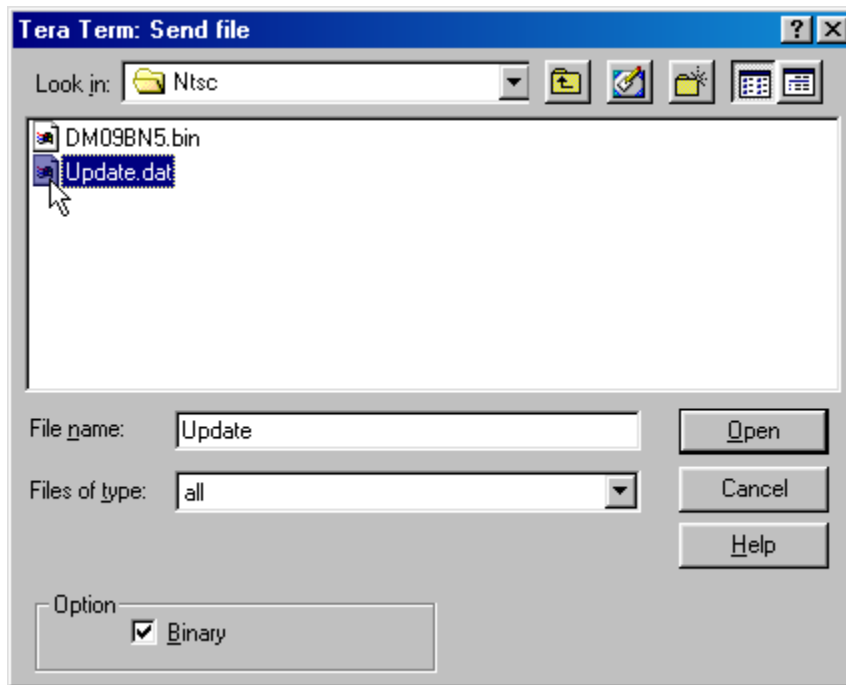
Step28 : Double Click Dm09b folder



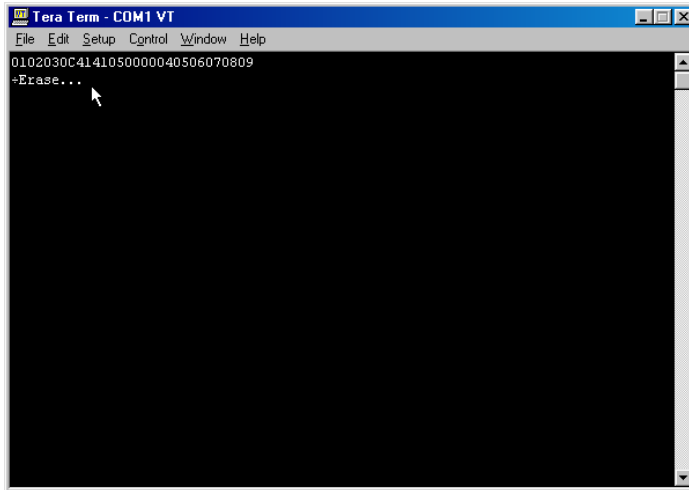
Step29 : Double Click NTSC folder



Step30 : Double Click Update.dat

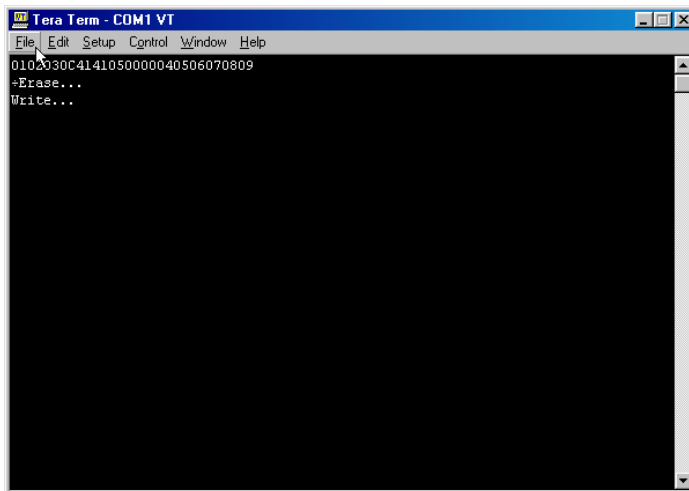


Step31 : Start to erase the firmware file, The write text will indicate after firmware erase complete.

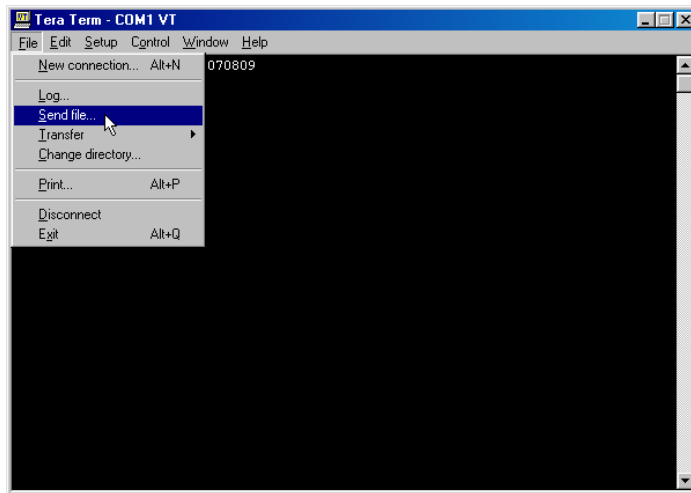


Step32 : Upgrade New Firmware File

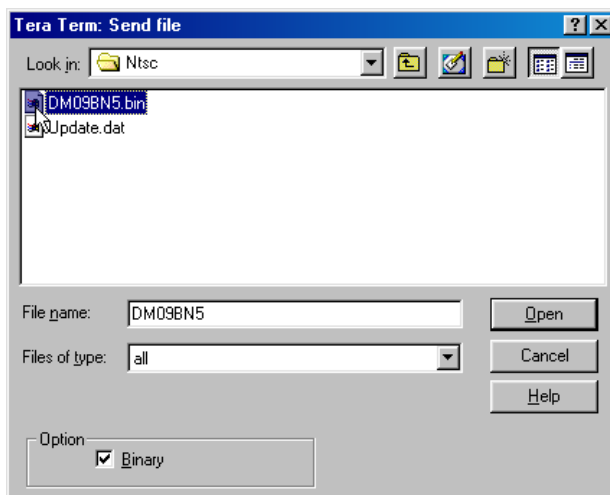
Please Click File



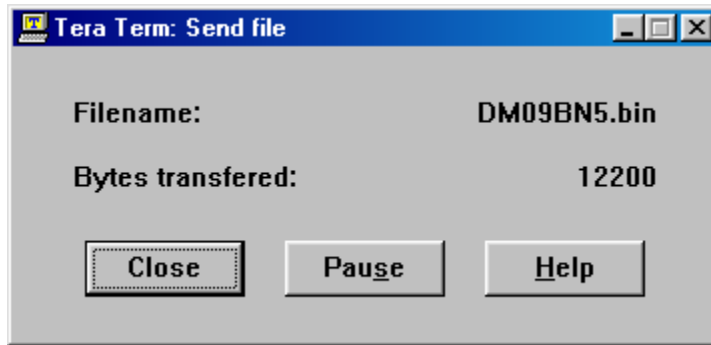
Step33 : Click Send file



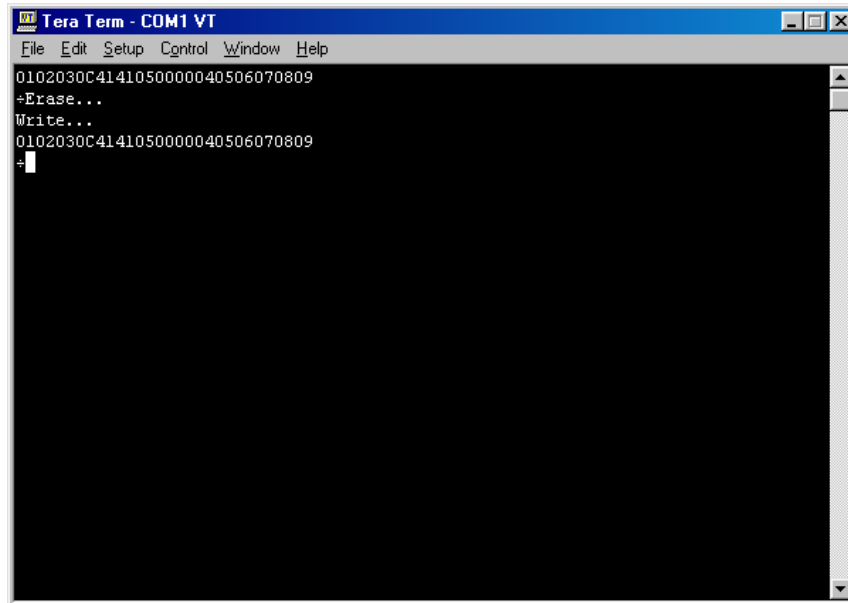
Step34 : Double Click DM09BN5.bin to update firmware.




Step35 : Waiting for firmware download completed, it spend 1 minute normally



Step36 : Tera Term program screen will display 0102020C4141050000040506070809 to mention the firmware download completed.



Step37 : Quit Tera Term and

1. Move mouse cursor to  and click left button to quit Tera Term program.
2. Turn on DV Bank

Troubleshooting:

Status 1:

LCD Panel is Blank when power on:

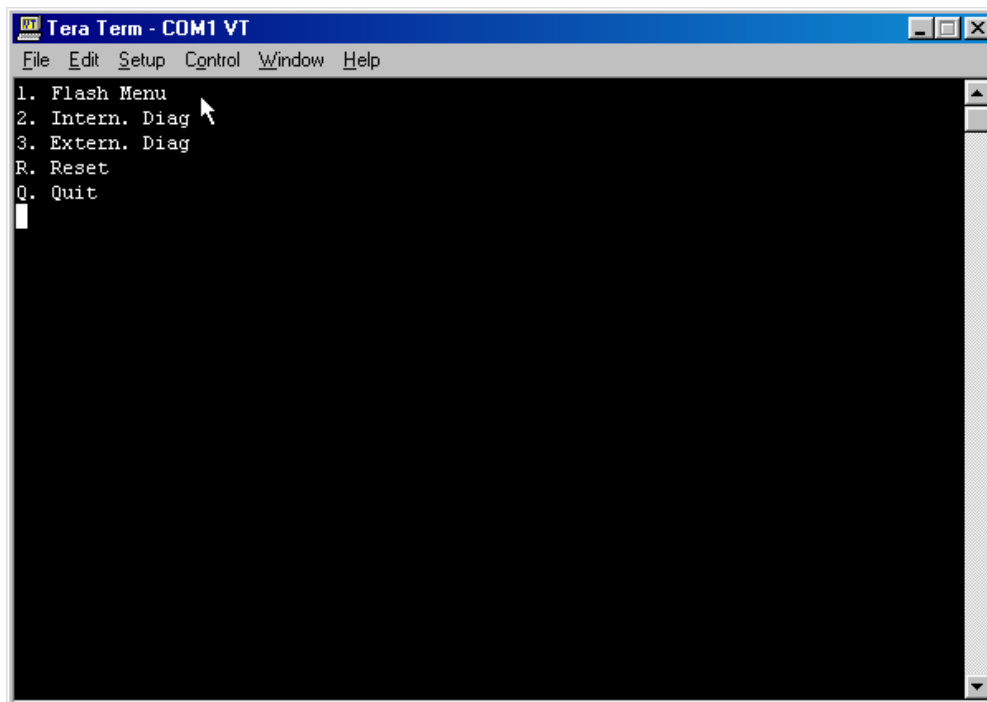


Solution:

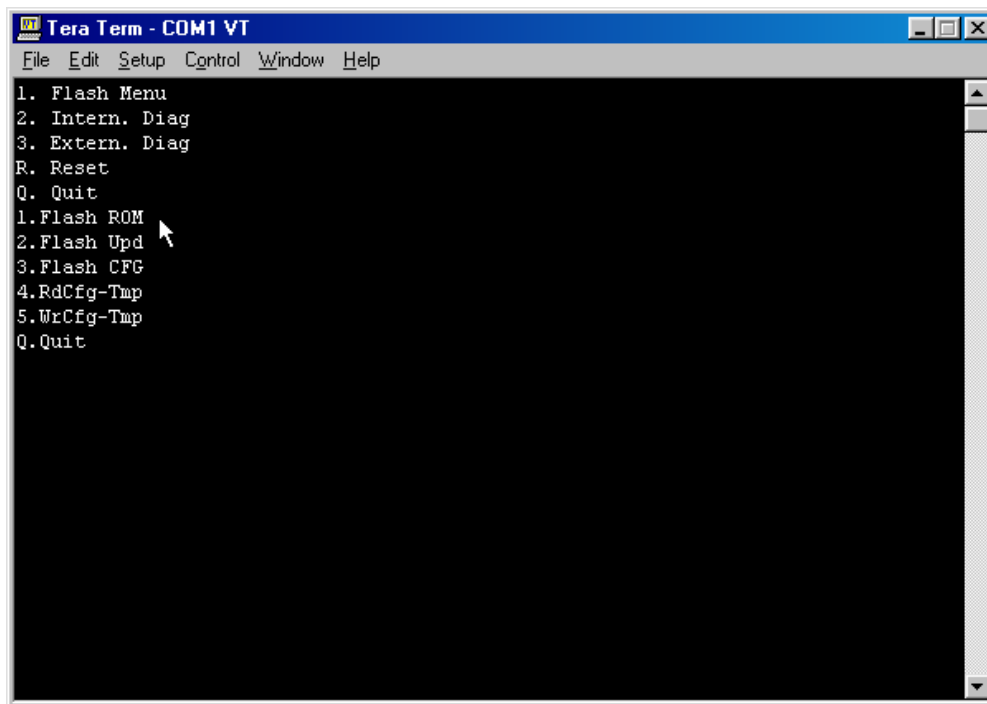
Step1 : Turn off DV Bank power and close Tera term program.

Step2 : Resetup Tera term program,Please reference (Page 7 to Page 10)

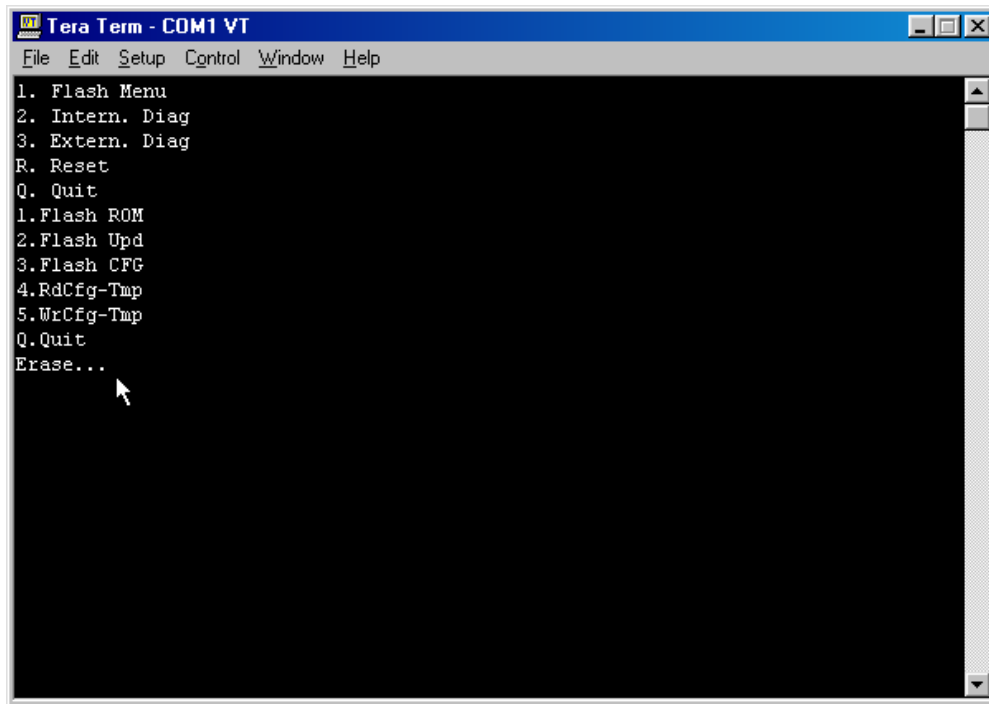
Step3 : Turn on DV Bank power, the Tera term window will mention those description text as below screen, please .key in the PC KEYBOARD ``1`` to enter Flash Menu route.



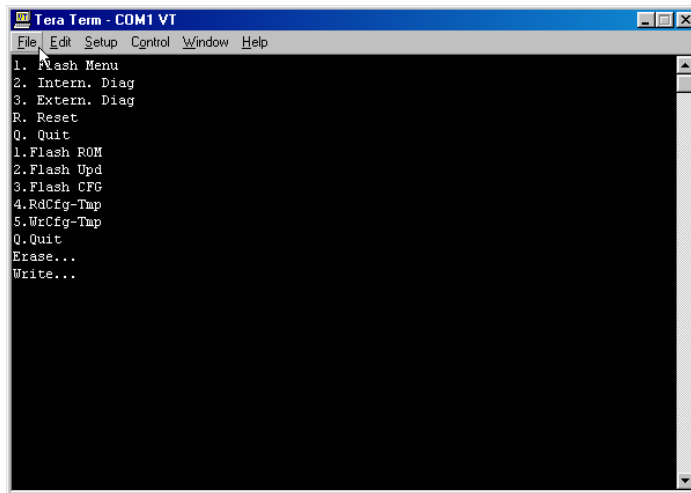
Step4 : Under Flash Menu route, Key in ``1`` to enter Flash Rom route.



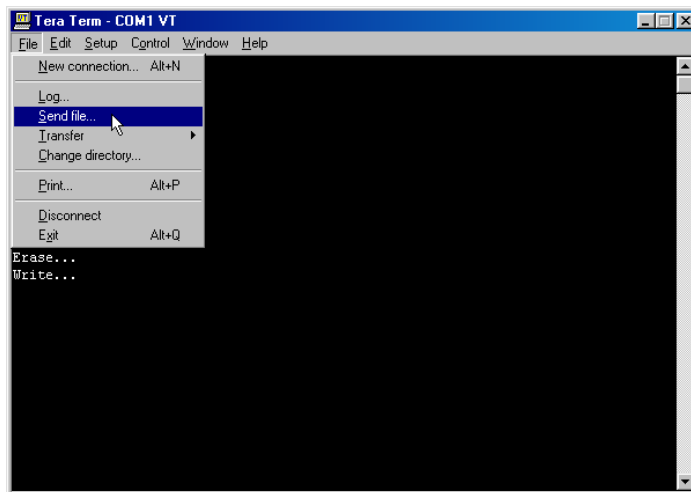
Step5 : Start to erase the firmware file, The write text will indicate after firmware erase is complete.



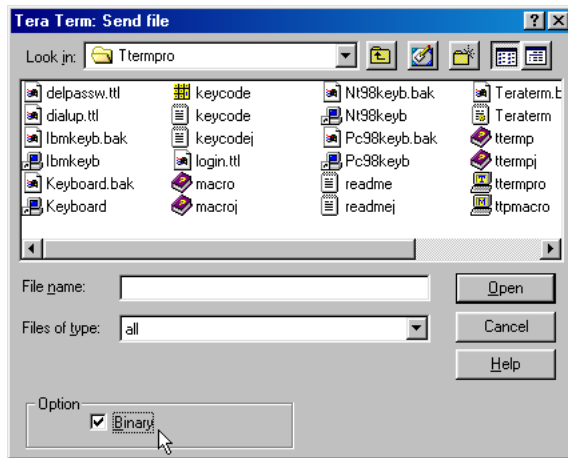
Step6 : Click File



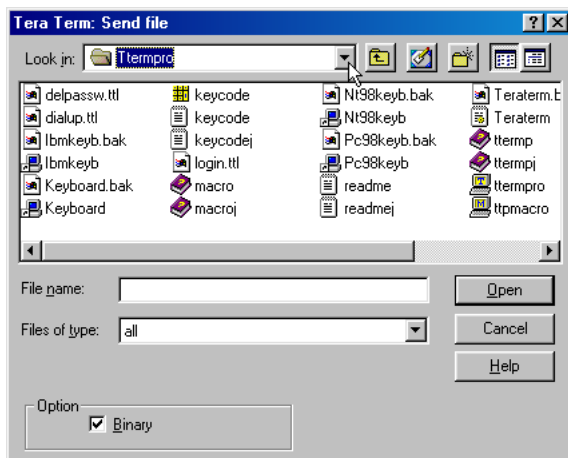
Step7 : Click Send file



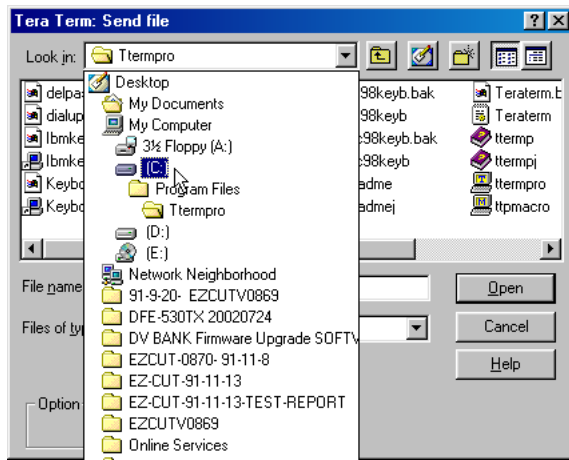
Step8 : Choice the option of Binary



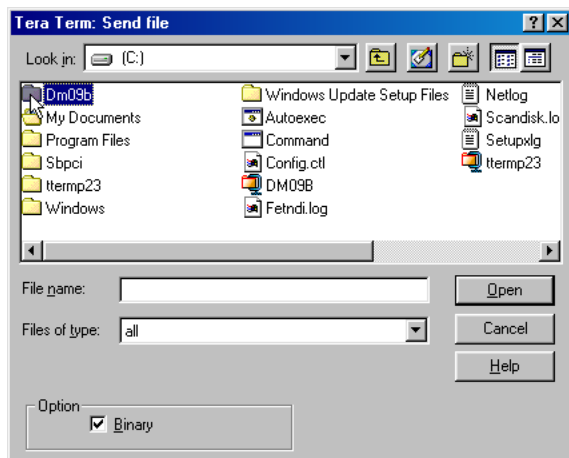
Step9 : Choice Look in C:



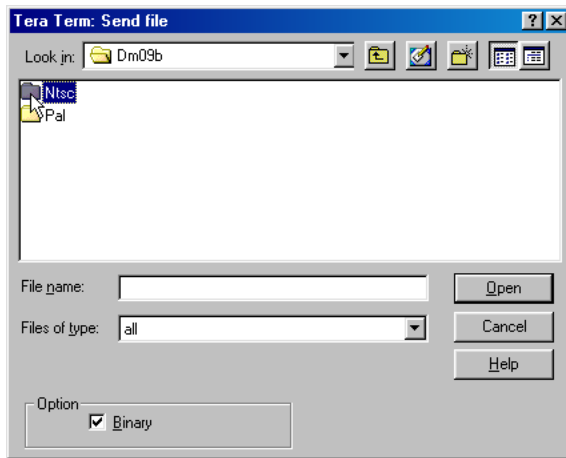
Step10 : Choose C :



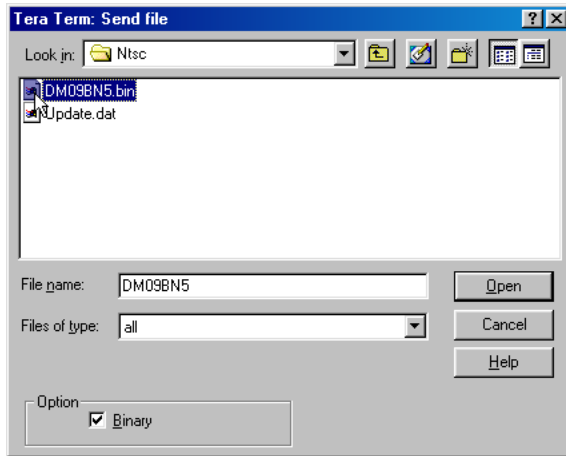
Step11 : Double Click Dm09b folder



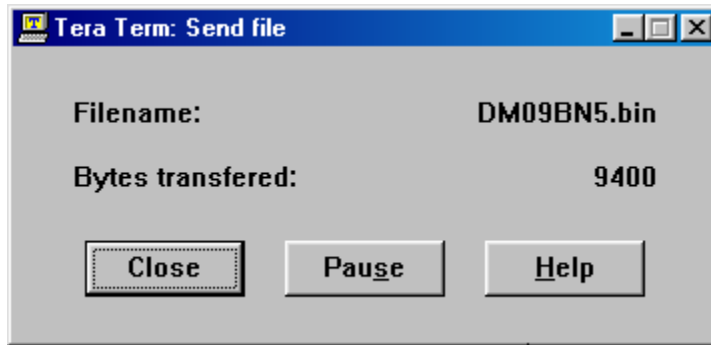
Step12 : Select NTSC folder



Step13 : Double Click DM09BN5.bin

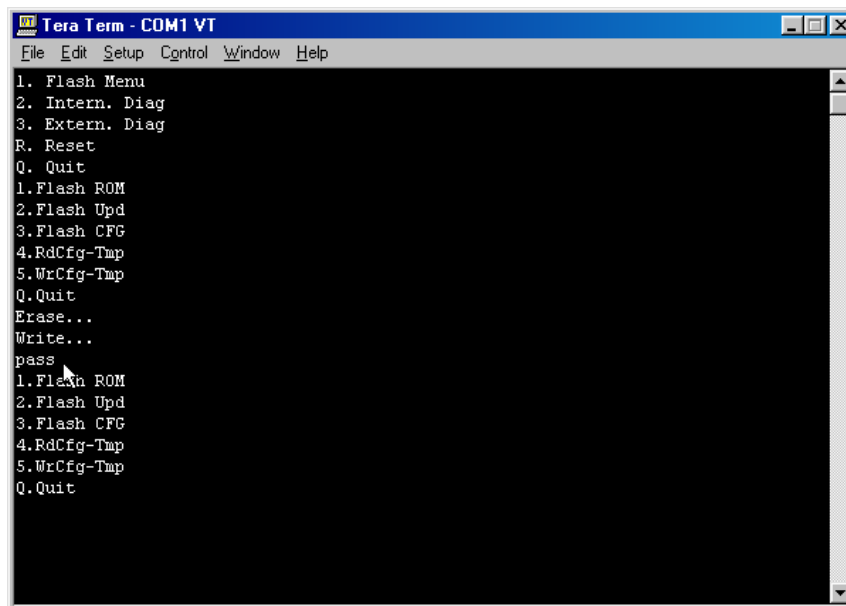


Step14 : Firmware start to download

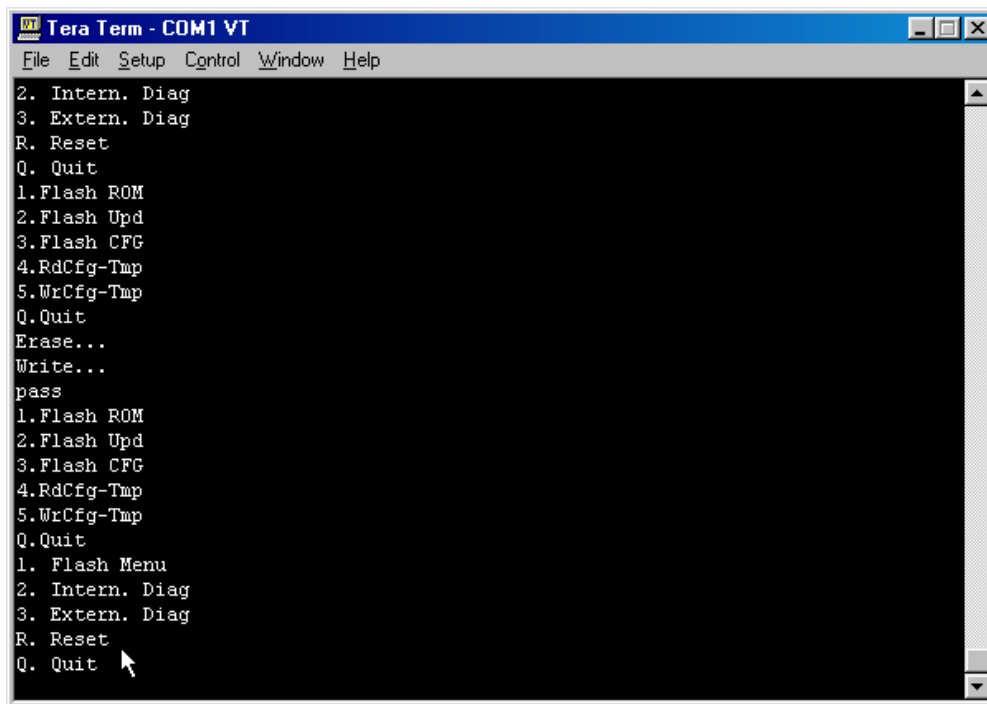


Step15 : The Tera Term windows will mention those text pass as below screen after firmware download completed.

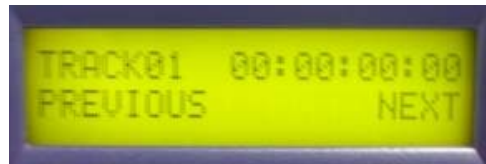
Step16 : Key in ``Q`` for Quit

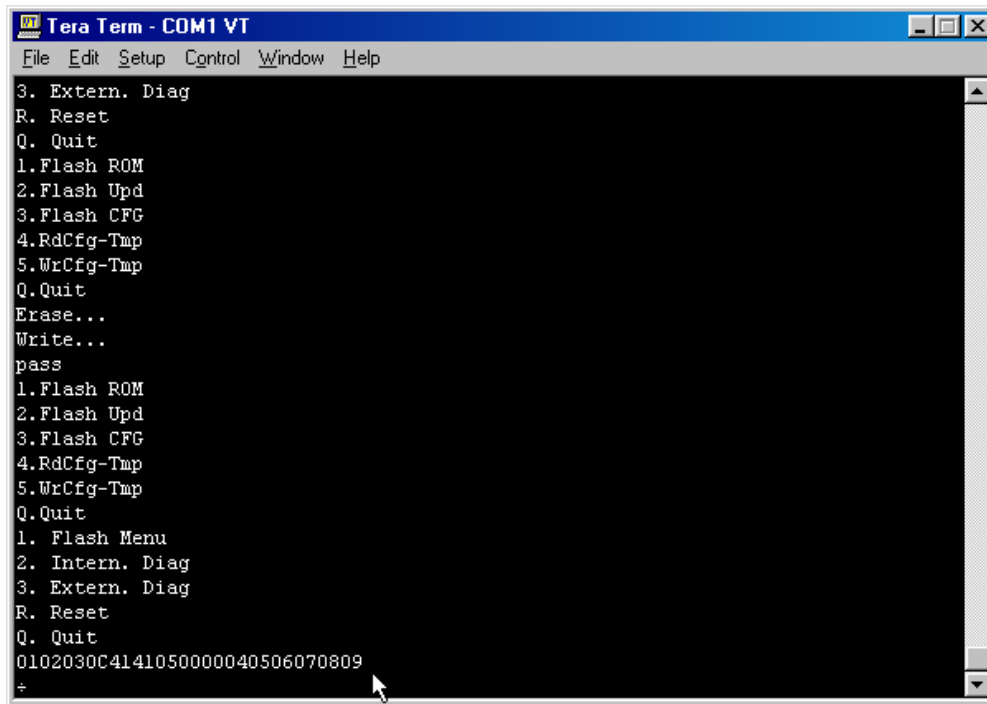


Step17 : Key in ``R`` for RESET



Step18 : Tera Term windows will display 0102020C4141050000040506070809 to mention the firmware download completed after follow through [Step 17](#), Please refer the screen as below .





than the LED Panel display TRACK 01 to mention DV-Bank return to normal. Please refer the screen as below .

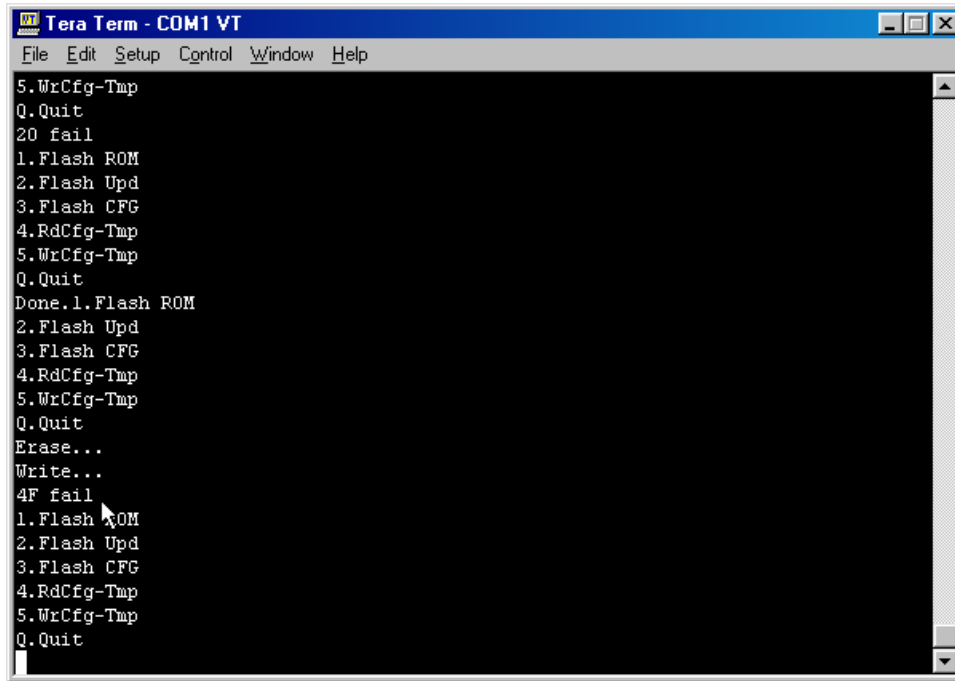


Step19 : Close Tera Term program.

Status 2:

The Tera Term Window display 4F Fail or 20 fail

after follow through SETP 18 (firmware download procedure.) Please refer the screen as below .



```
Tera Term - COM1 VT
File Edit Setup Control Window Help
5.WrCfg-Tmp
Q.Quit
20 fail
1.Flash ROM
2.Flash Upd
3.Flash CFG
4.RdCfg-Tmp
5.WrCfg-Tmp
Q.Quit
Done.1.Flash ROM
2.Flash Upd
3.Flash CFG
4.RdCfg-Tmp
5.WrCfg-Tmp
Q.Quit
Erase...
Write...
4F fail
1.Flash ROM
2.Flash Upd
3.Flash CFG
4.RdCfg-Tmp
5.WrCfg-Tmp
Q.Quit
```

Solution:

Step1 : Operate follow step from Status 1 / Step 4 to Status 1/ Step 17 (from page 22 to Page 29)

Status 3:

Display Error File System

on the DV Bank LCD Panel after follow through SETP 18 (firmware download procedure.)

Please refer the screen as below .



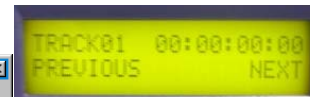
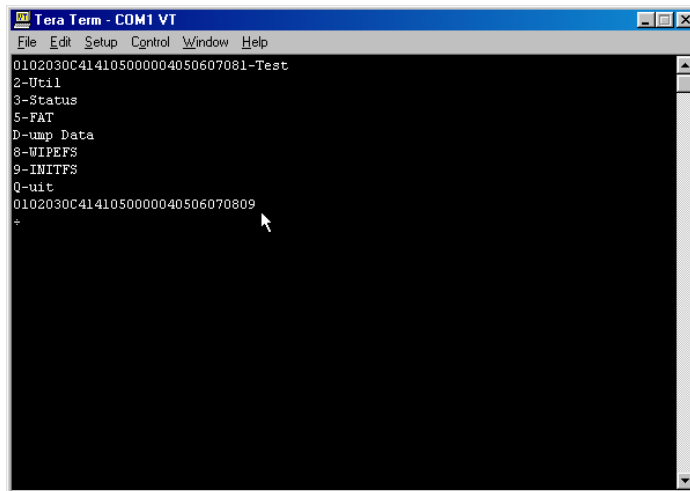
Solution:



Step1 : Hold DV-Bank Record key" first then press" Play key" , Both release after.



Step 2 : Trea Term windows will display 0102020C4141050000040506070809 and DV-Bank LCD Panel will display TRACK 01 to mention the status return to normal . please refer the screen as below.



Upgrade Firmware Procedure for PAL System

Step 1: Down Load Firmwave

c. Down Load Firmwave from website:

http://www.datavideo.com.tw/download/software_download.htm

d. Save the download Firmwave file Dm09.zip to C:\


Step 3: Down Load program Tera term pro 2.3


c. Down Load program Tera term pro 2.3 from website:

<http://hp.vector.co.jp/authors/VA002416/teraterm.html> (ttermp23.zip) ·

d. Save ttermp23.zip to C:\

Step 4 : Extra Firmware Dm09.zip:

e. Move Mouse cursor to "My Computer"  and Double Click left button.

f. Move mouse cursor to "C (C:)"  and double click left button.

g. Move mouse cursor to "DM09B"  and click right button



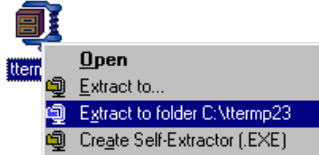
The context menu is titled "Open" and contains three options: "Extract to...", "Extract to folder C:\DM09B" (which is highlighted), and "Create Self-Extractor (.EXE)".

h. Click "Extract to folder C:\DM09B"

Step 5: Install Tera Term Pro Software



c. Extract ttemp23.zip → move mouse cursor to ttemp23 , click right button



d. Click "Extract to folder C:\ttemp23"

Step 6: Setup Tera Term 2.3 Pro Software:

Step 6: Install Tera Term Pro Software

a. move mouse cursor to C:\



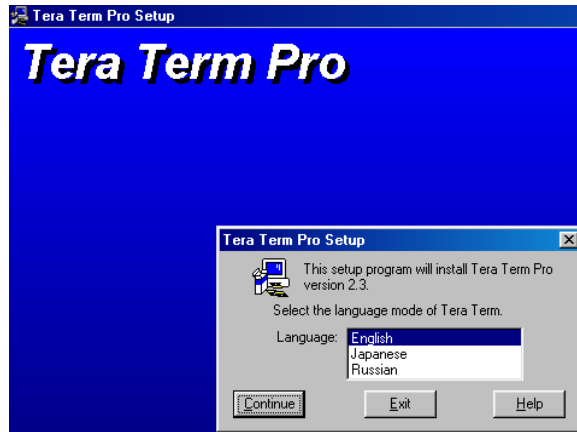
b. Double Click ttemp23 ttemp23

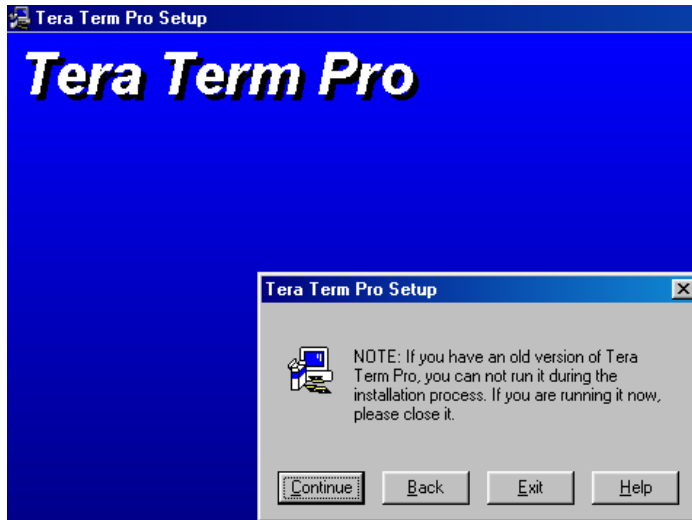


c. Double Click "Setup" setup

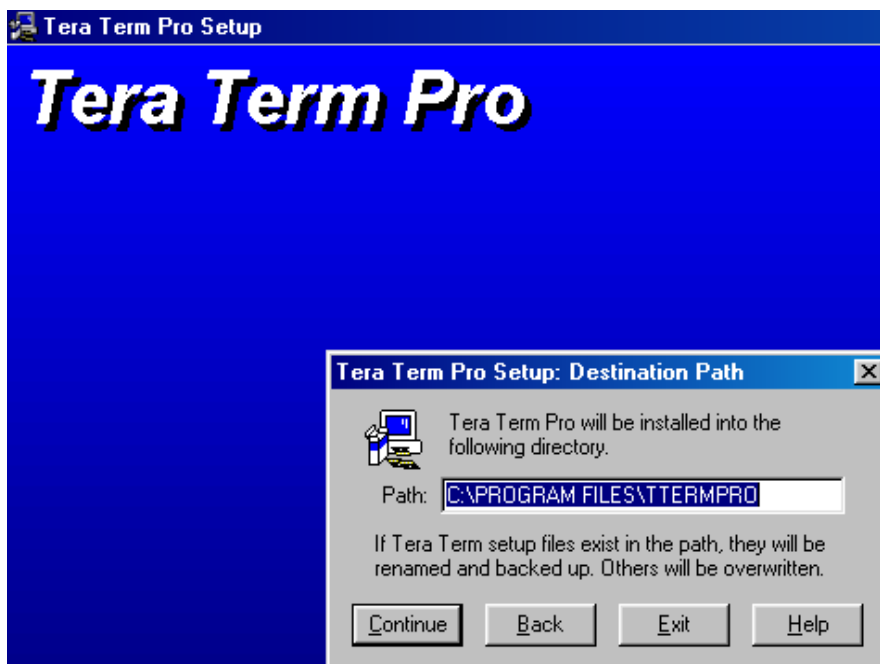
d. Setup screen appear.


Step 06 : Choose Language and click Continue Button

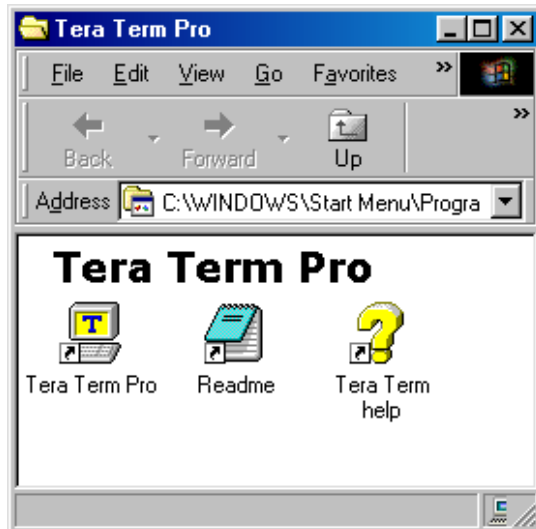




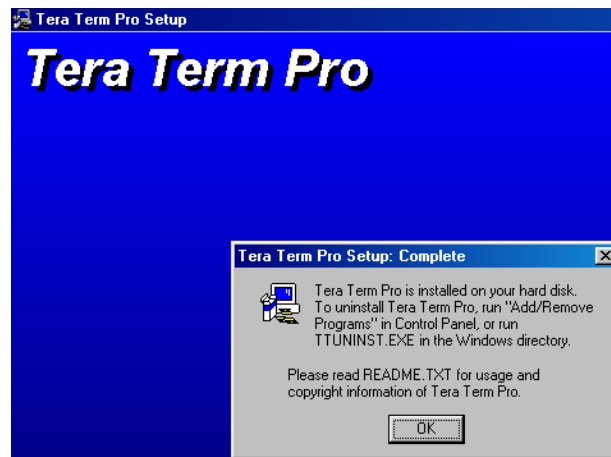
Step 07 : click Continue Button



Step 08 : Click  Button, firmware download complete.




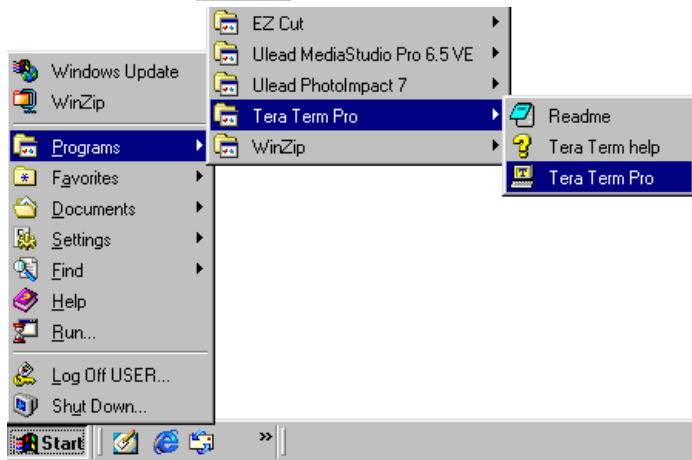
Step 09 : click OK Button



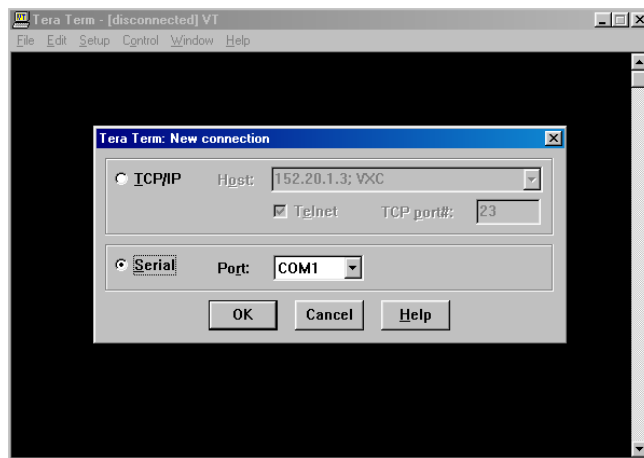
Step10 :

Run Tera Term Pro software and setup software:

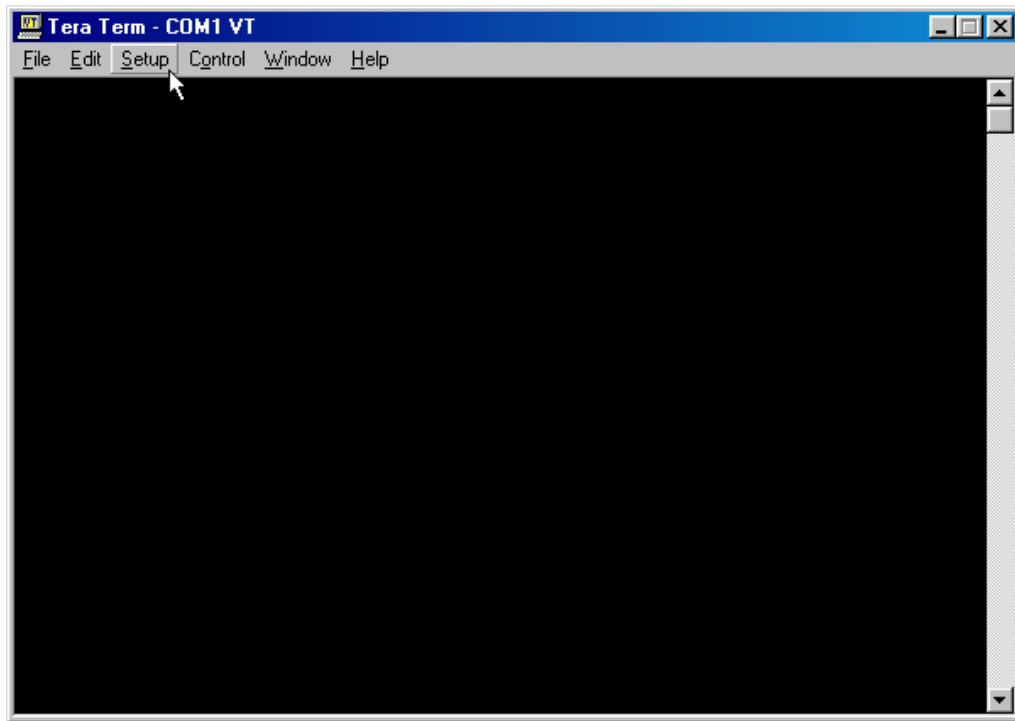
a. Click "Start"  to run Tera Term pro Program



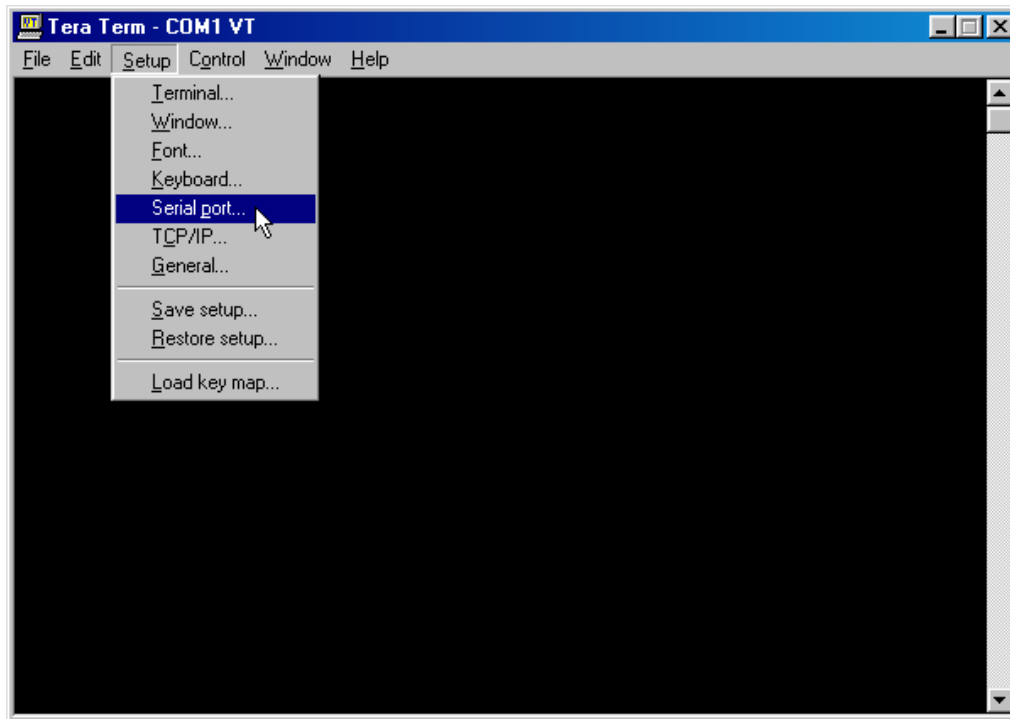
Step11 : Select Serial mode and choose COM1 port than click OK button



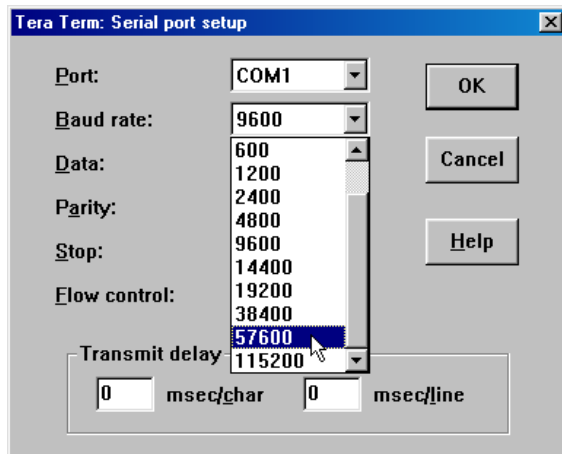
Step18 : Setup Baud rate Please Click Setup



Step19 : Click Serial port

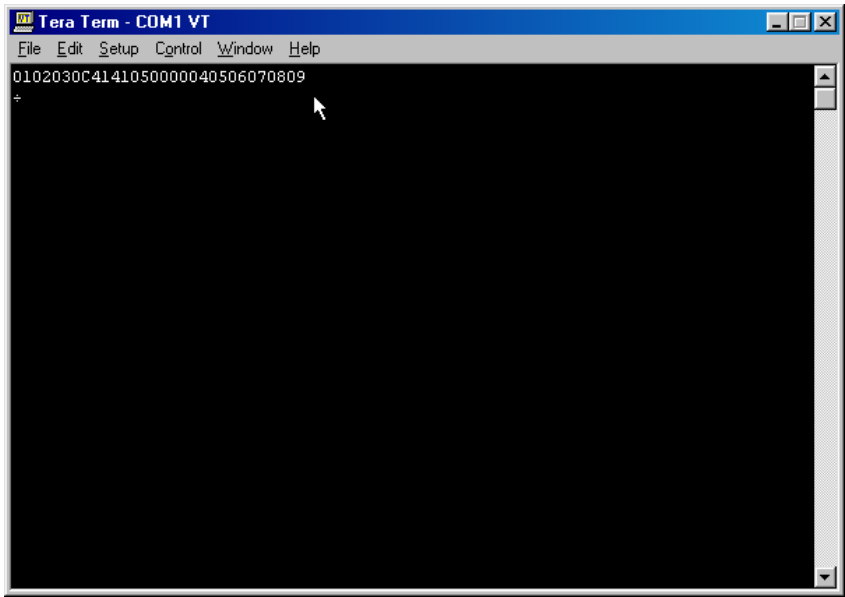


Step20 : Choose Baud rate 57600 and click OK button.



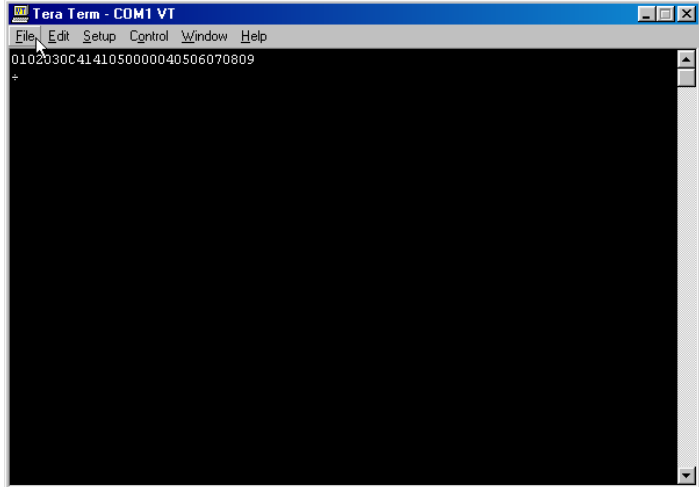
Step 13 :

Turn on the DV Bank power, the Tera Term screen will appear the number 0102030C4141050000040506070809 to indicate firmware update successfully, please refer the screen as below.

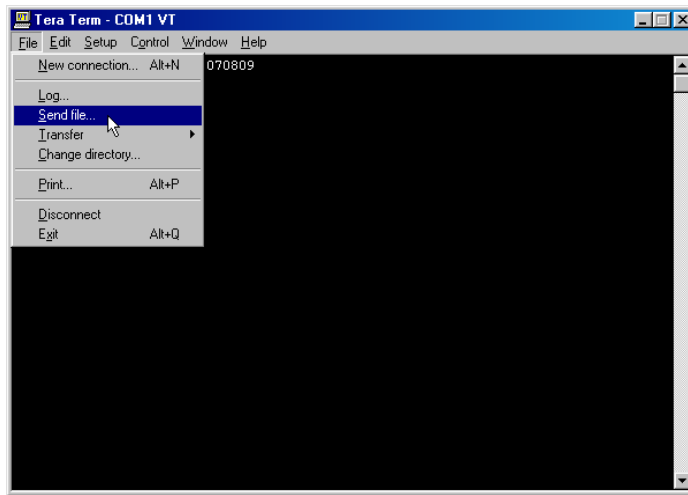


Step24 : Erase Old Firmware File:

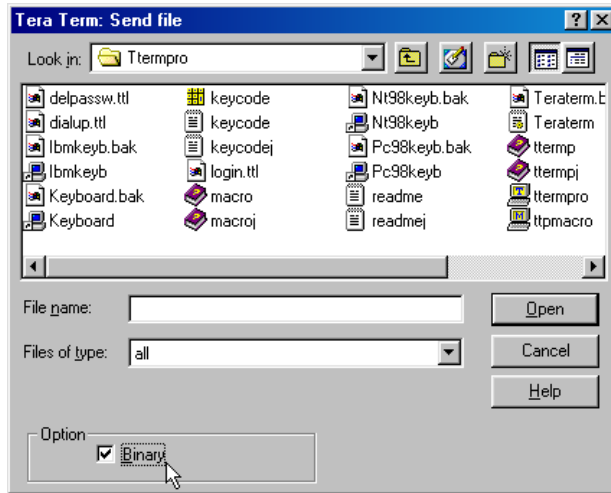
a. Please move mouse cursor to ``File`` and Click the File.



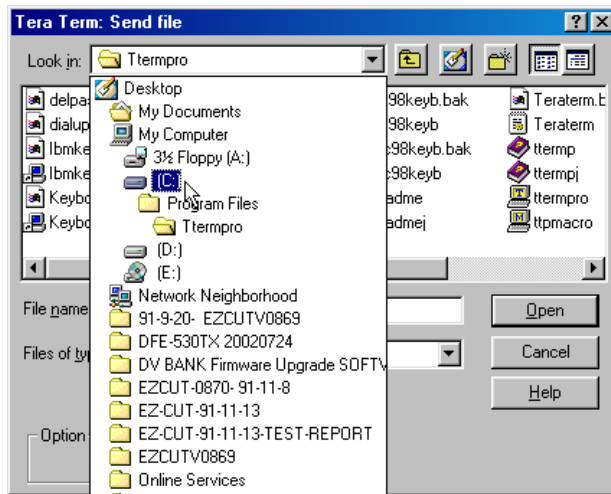
Step25 : Click Send file , please refer the below screen.



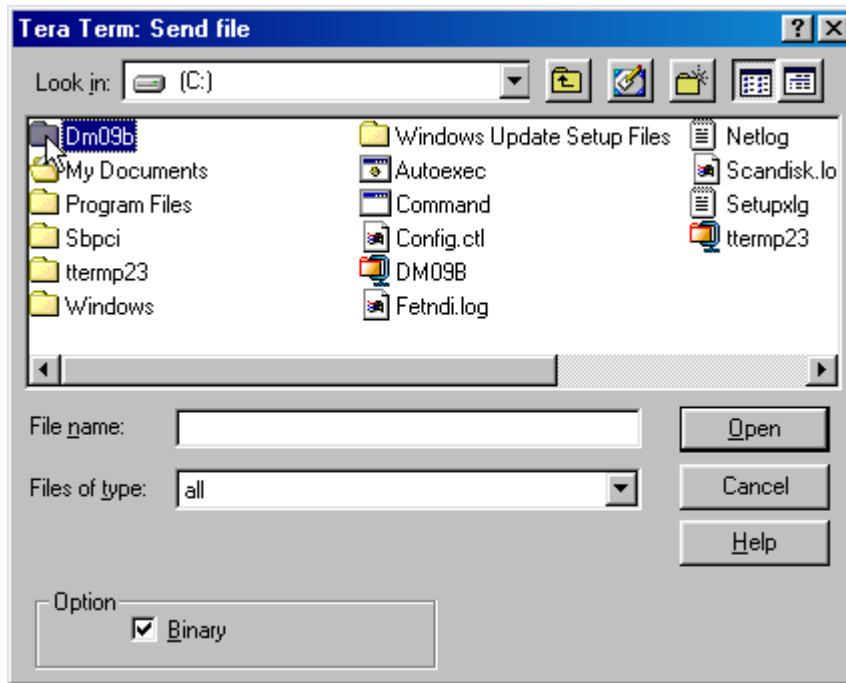
Step26 : Choice Binary Option



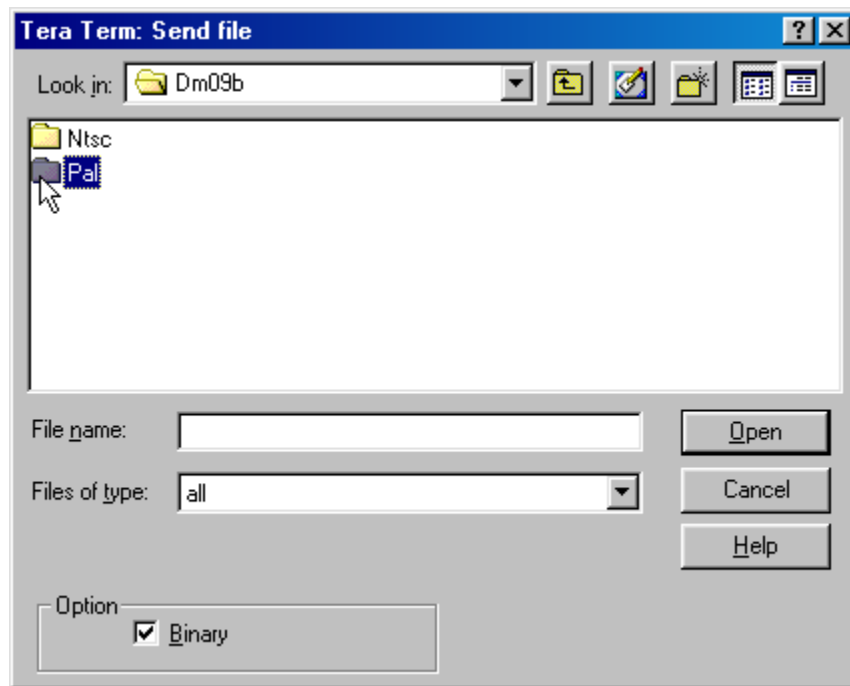
Step27 : Click look in icon the select , choice (C:)



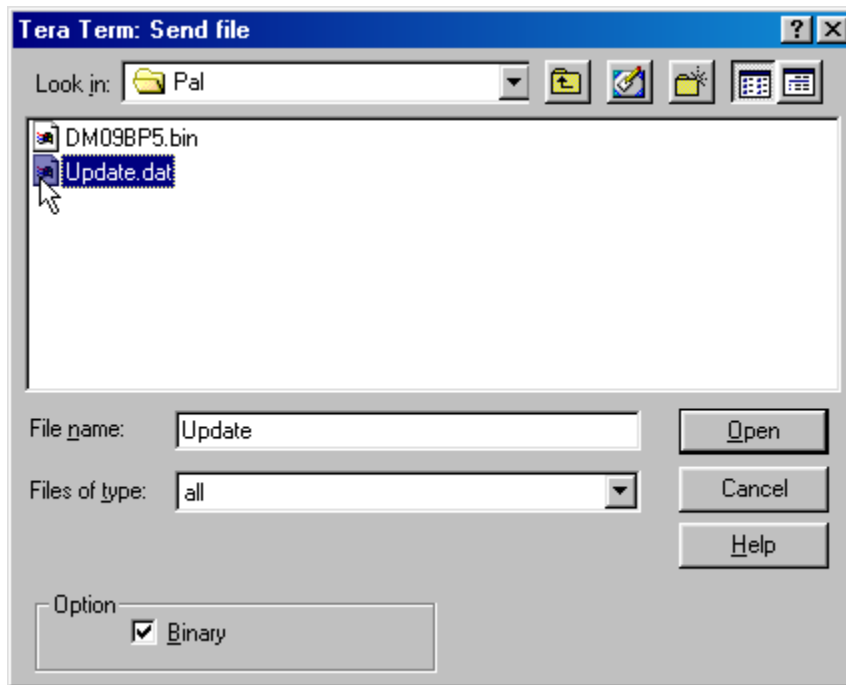
Step28 : Double Click Dm09b folder



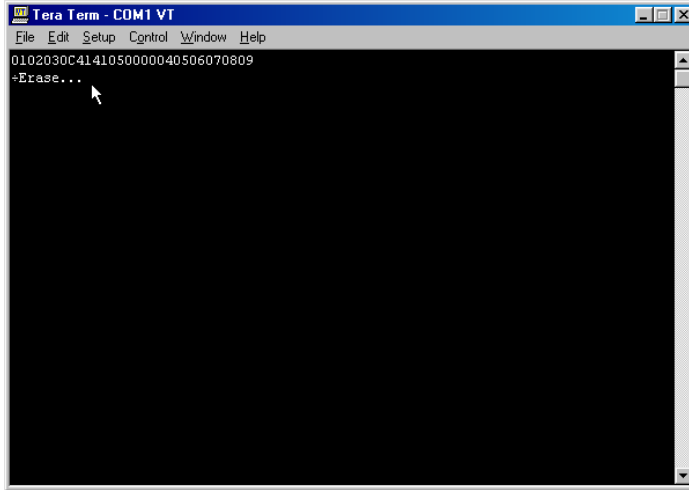
Step29 : Double Click PAL folder



Step30 : Double Click Update.dat

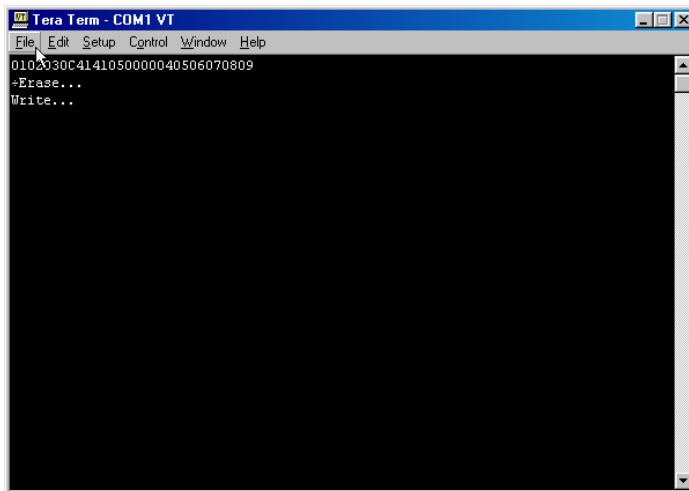


Step31 : Start to erase the firmware file, The write text will indicate after firmware erase complete.

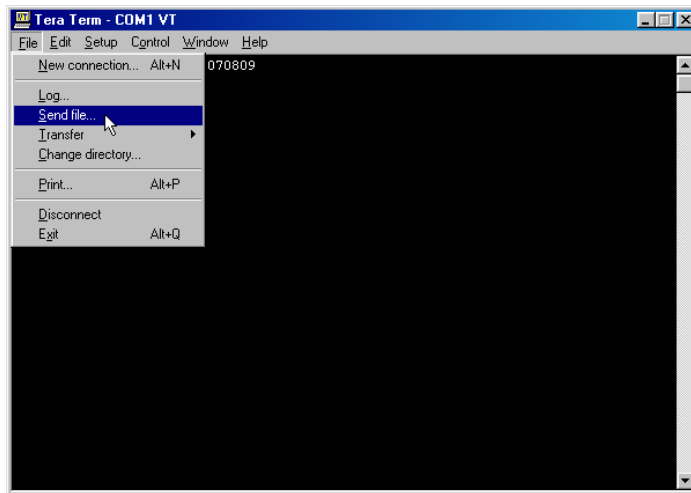


Step32 : Upgrade New Firmware File

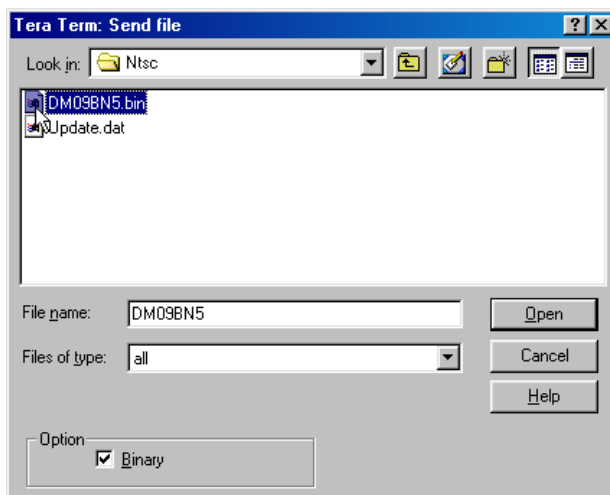
Please Click File



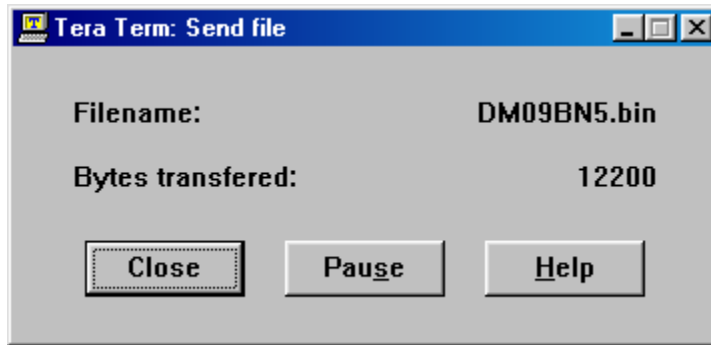
Step33 : Click Send file



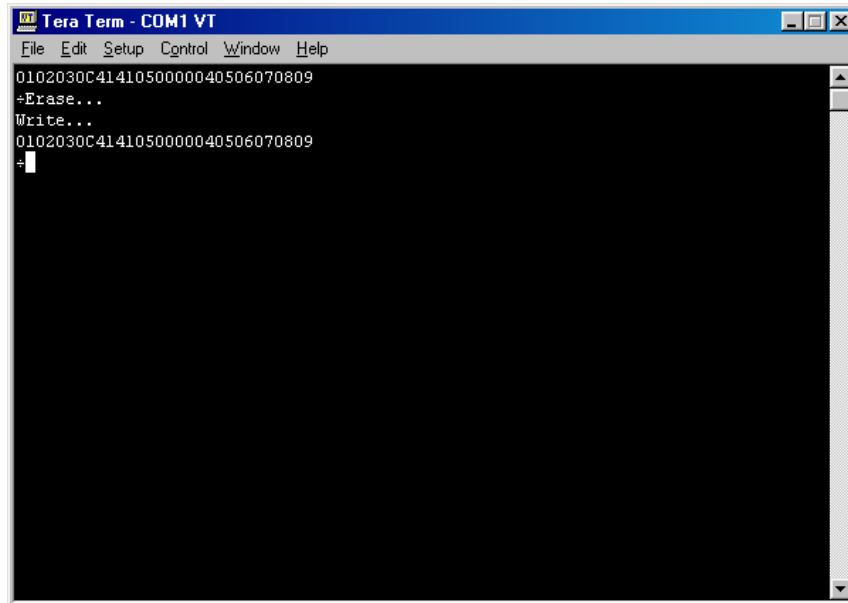
Step34 : Double Click DM09BN5.bin to update firmware.




Step35 : Waiting for firmware download completed, it spend 1 minute normally



Step36 : Tera Term program screen will display 0102020C4141050000040506070809 to mention the firmware download completed.



Step37 : Quit Tera Term and

3. Move mouse cursor to  and click left button to quit Tera Term program.
4. Turn on DV Bank

Troubleshooting:

Status 1:

LCD Panel is Blank when power on:

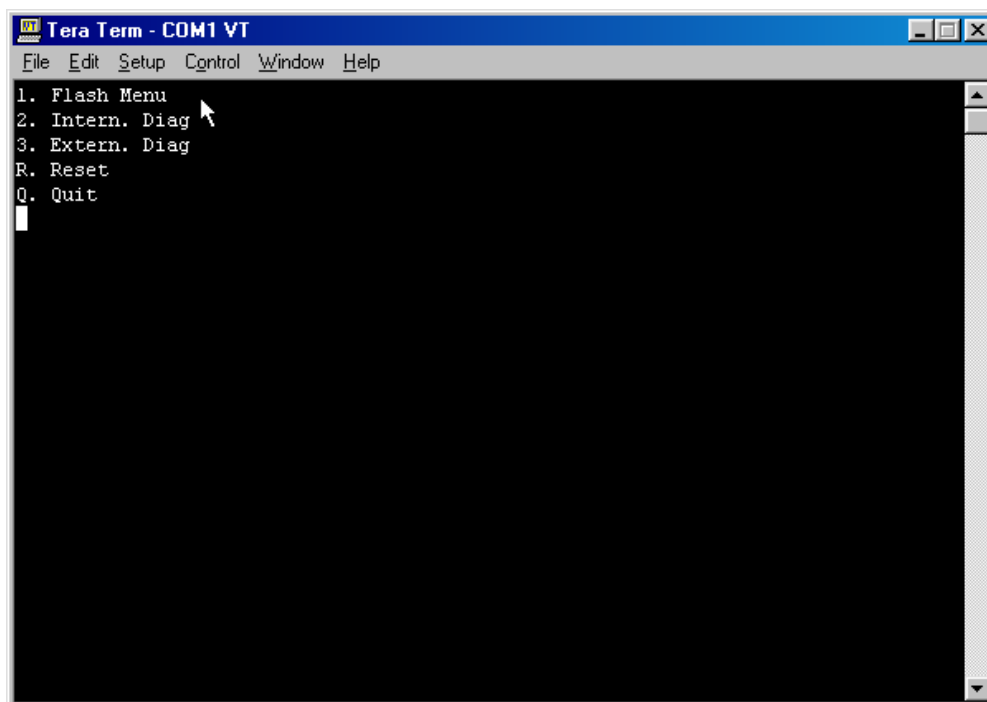


Solution:

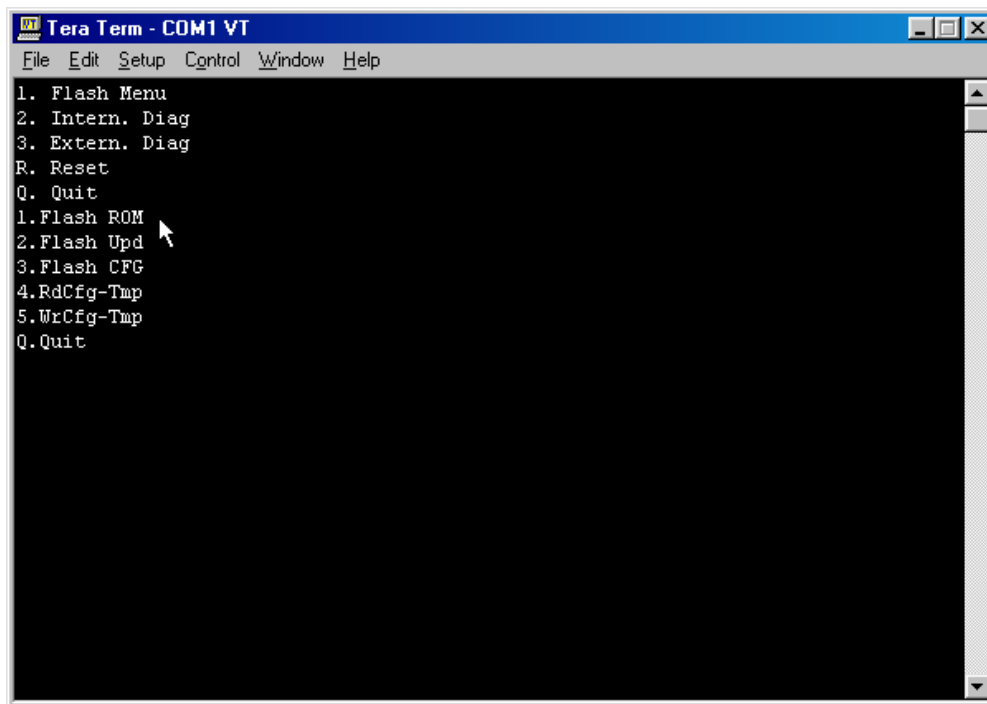
Step1 : Turn off DV Bank power and close Tera term program.

Step2 : ReSetup Tera term program,Please reference (Page 7 to Page 10)

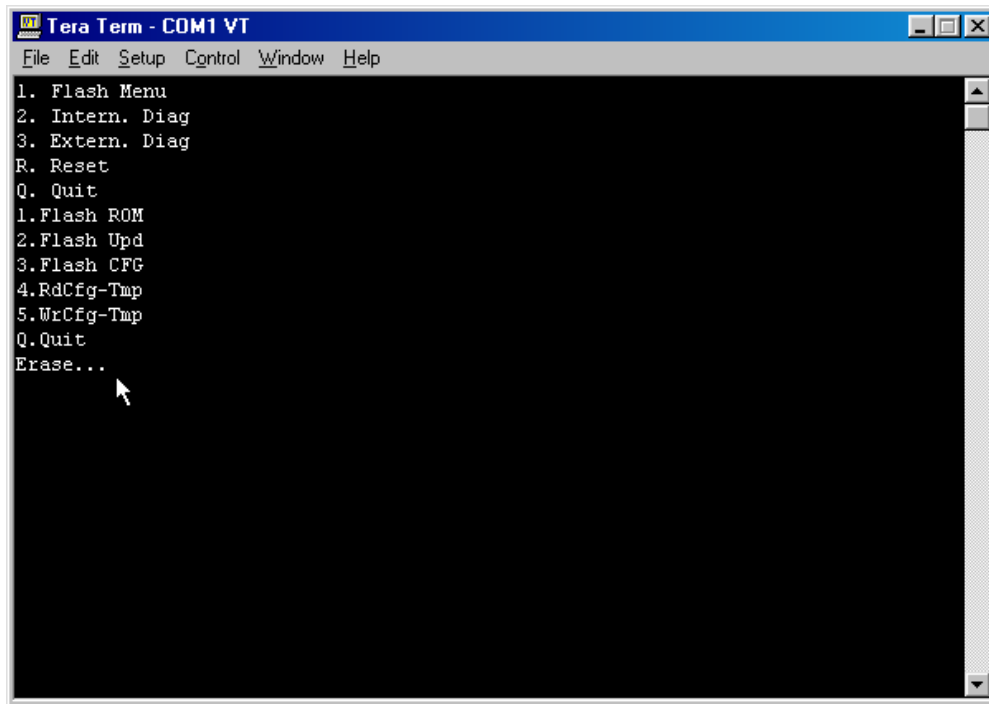
Step3 : Turn on DV Bank power, the Tera term window will mention those description text as below screen, please .key in the PC KEYBOARD ``1`` to enter Flash Menu route.



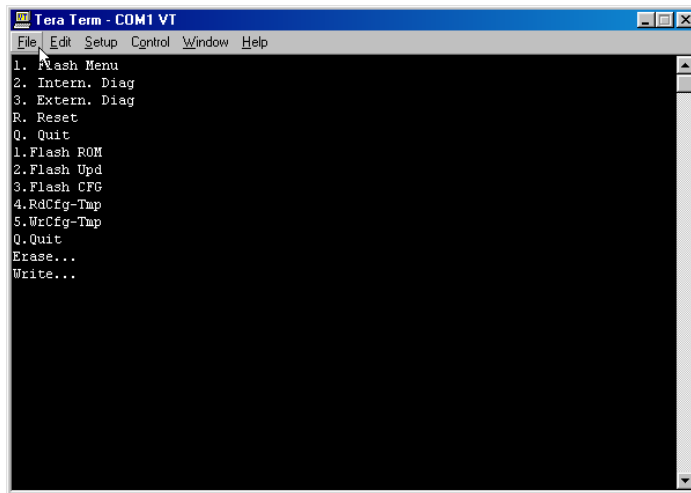
Step4 : Under Flash Menu route, Key in ``1`` to enter Flash Rom route.



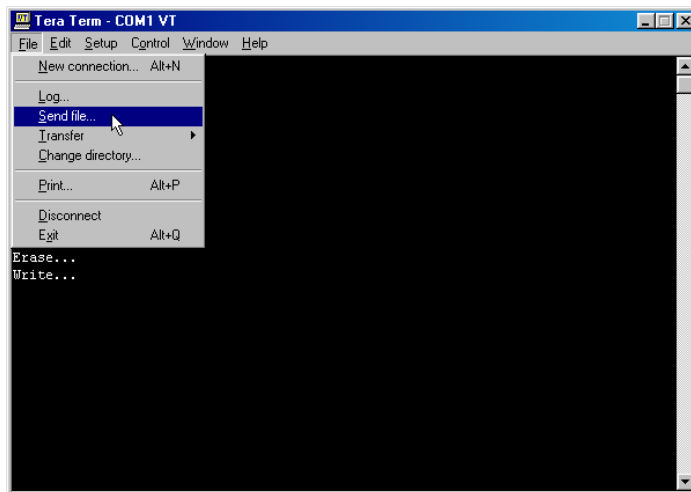
Step 5 : Start to erase the firmware file, The write text will indicate after firmware erase is complete.



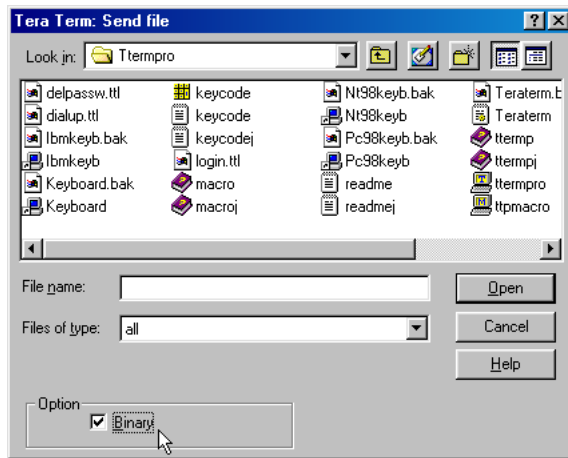
Step6 : Click File



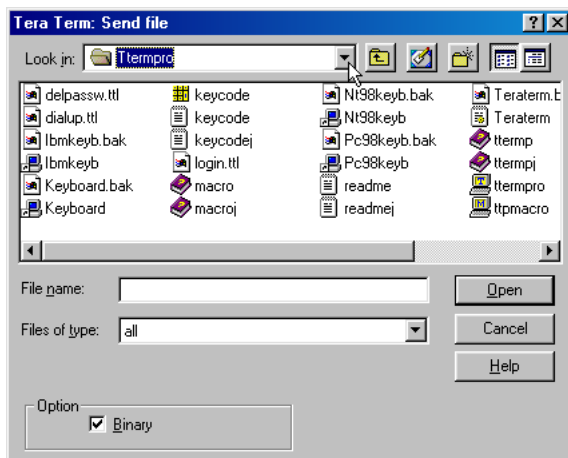
Step7 : Click Send file



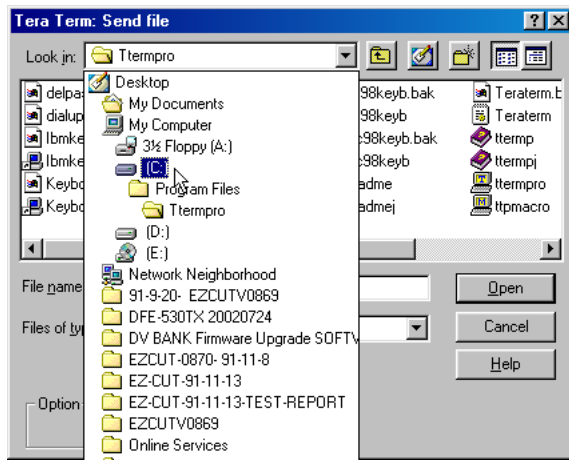
Step8 : Choice the option of Binary



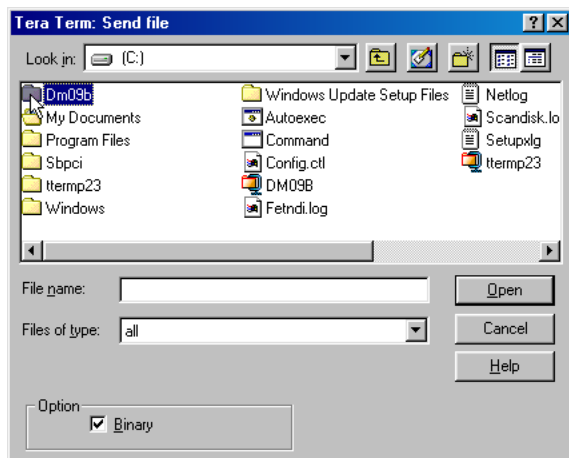
Step9 : Choice Look in C:



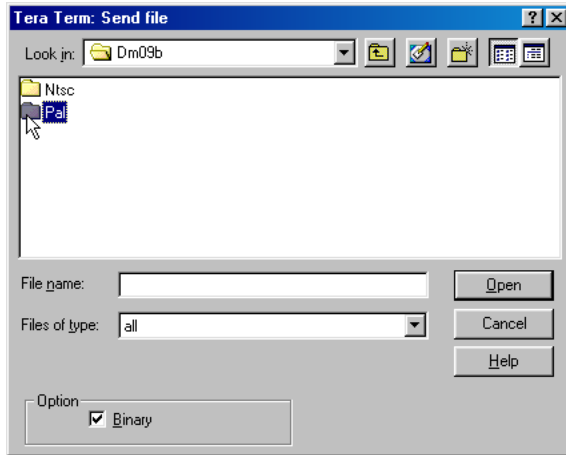
Step10 : Choose C :



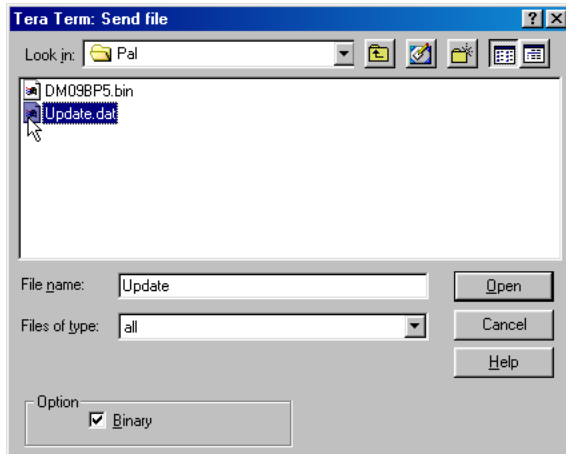
Step11 : Double Click Dm09b folder



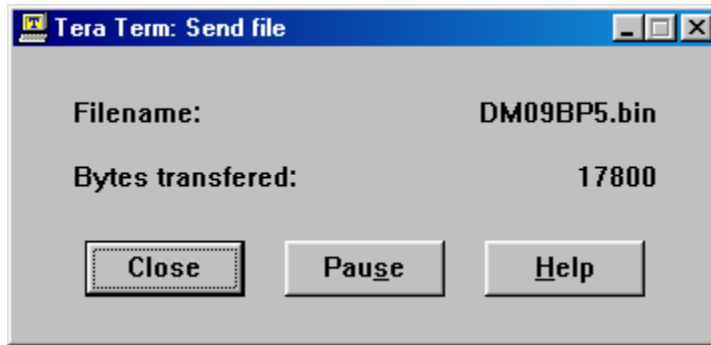
Step12 : Select PAL folder



Step13 : Double Click DM09BP.bin

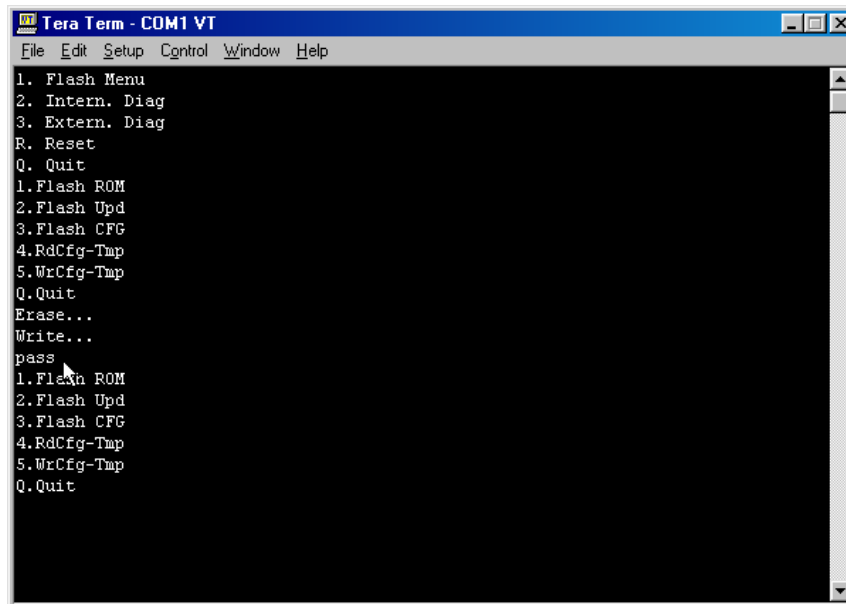


Step14 : Firmware start to download, It spend 1 minutes normally.

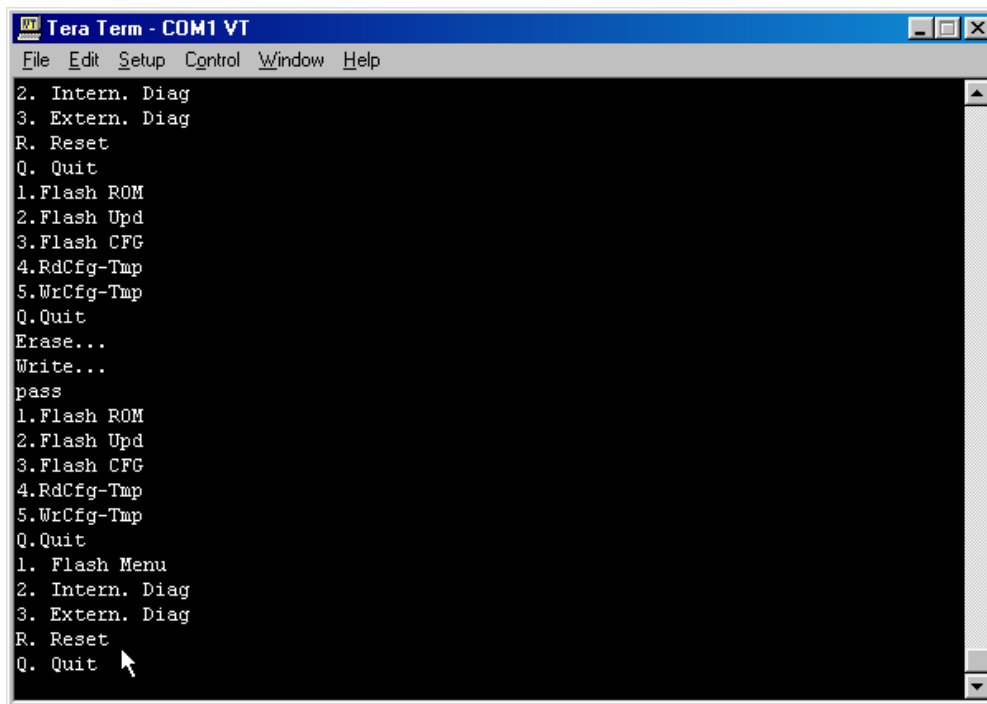


Step15 : The Tera Term windows will mention those text pass as below screen after firmware download completed.

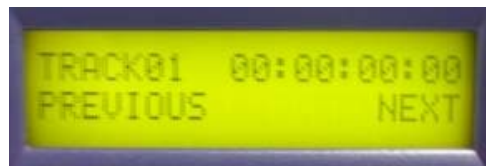
Step16 : Key in ``Q`` for Quit

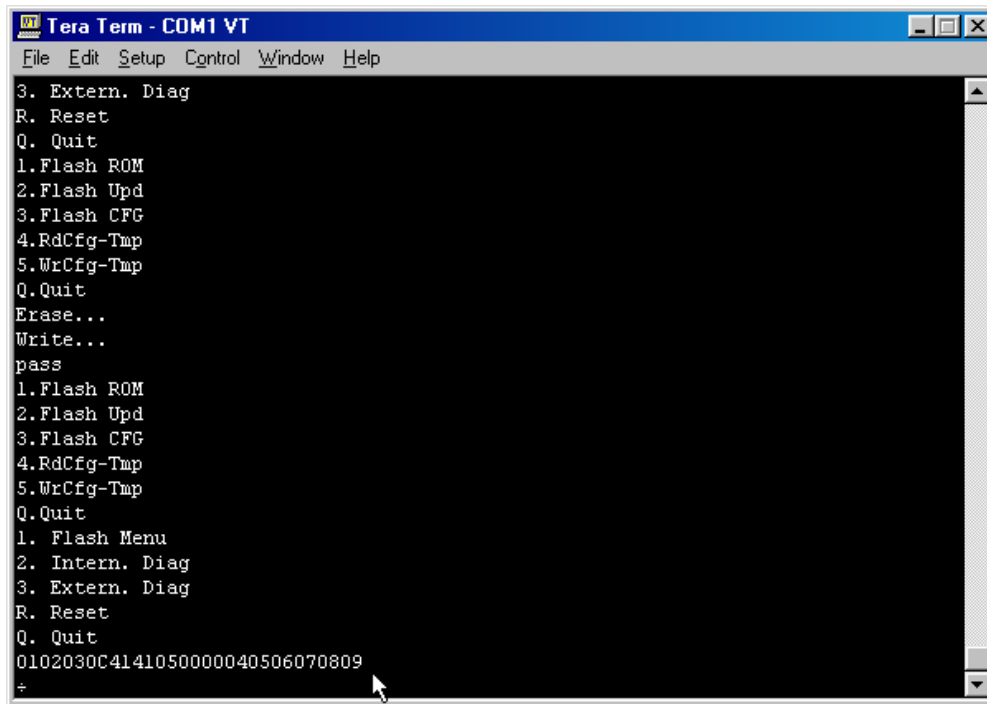


Step17 : Key in ``R`` for RESET

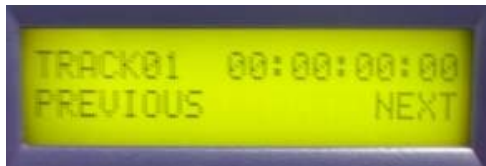


Step18 : Tera Term windows will display 0102020C4141050000040506070809 to mention the firmware download completed after follow through [Step 17](#), Please refer the screen as below .





than the LED Panel display TRACK 01 to mention DV-Bank return to normal. Please refer the screen as below .

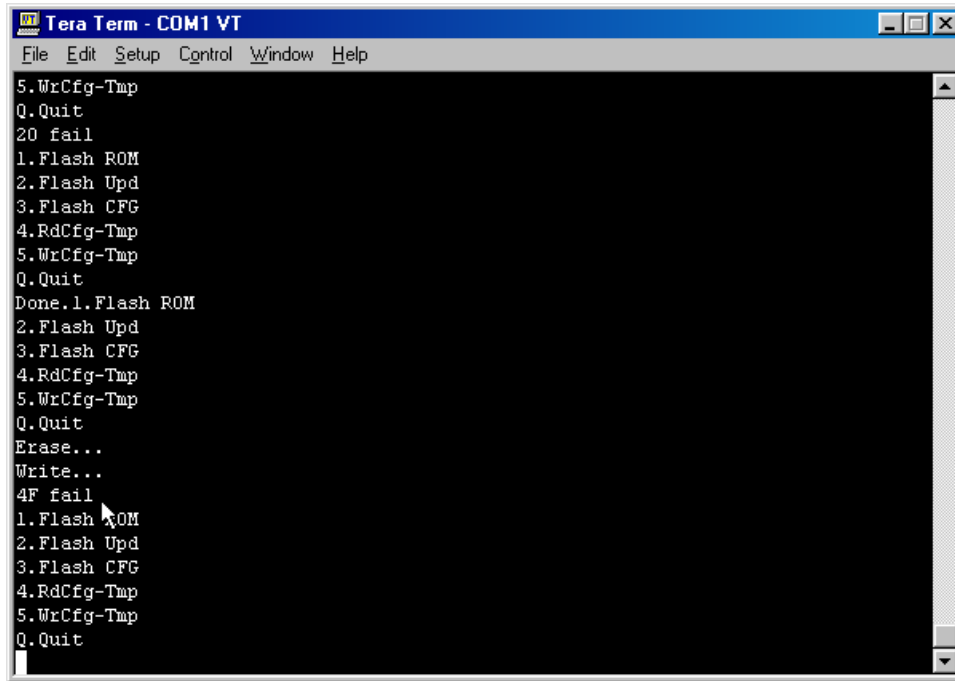


Step19 : Close Tera Term program.

Status 2:

The Tera Term Window display 4F Fail or 20 fail

after follow through SETP 18 (firmware download procedure.) Please refer the screen as below .



```
Tera Term - COM1 VT
File Edit Setup Control Window Help
5.WrCfg-Tmp
Q.Quit
20 fail
1.Flash ROM
2.Flash Upd
3.Flash CFG
4.RdCfg-Tmp
5.WrCfg-Tmp
Q.Quit
Done.1.Flash ROM
2.Flash Upd
3.Flash CFG
4.RdCfg-Tmp
5.WrCfg-Tmp
Q.Quit
Erase...
Write...
4F fail
1.Flash ROM
2.Flash Upd
3.Flash CFG
4.RdCfg-Tmp
5.WrCfg-Tmp
Q.Quit
```

Solution:

Step1 : Operate follow step from Status 1 / Step 4 to Status 1/ Step 17 (from page 22 to Page 29)

Status 3:

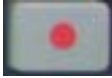

Display Error—File System

on the DV Bank LCD Panel after follow through SETP 18 (firmware download procedure.)

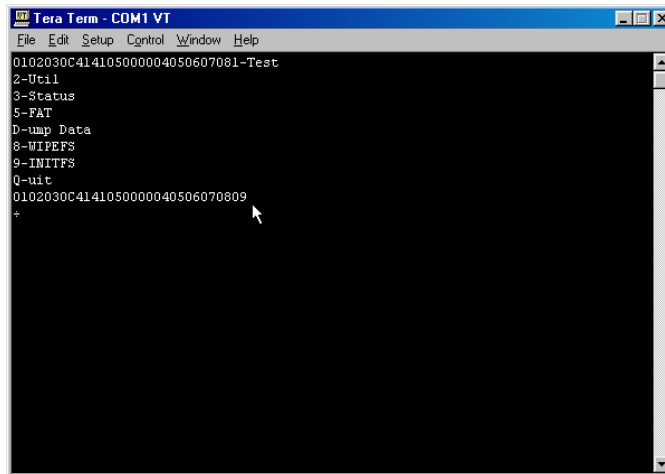
Please refer the screen as below .



Solution:

Step1 : Hold DV-Bank Record key"  first then press" Play key" , Both release after.

Step 2 : Trea Term windows will display 0102020C4141050000040506070809 and DV-Bank LCD Panel will display TRACK 01 to mention the status return to normal . please refer the screen as below.



Service, Support and Warranty

It is our goal to make your product ownership a satisfying experience. Our Support Staff is available to assist you in setting up and operating your system. If needed, our convenient repair service is also at your disposal. Please refer to the product support information below, or write us at:

- **Datavideo Corporation (USA)**

12300-U East Washington Blvd., Whittier, CA 90606 USA Telephone:

+1 562 696 2324

E-mail: info@datavideo-tek.com

- **Datavideo Technologies Europe BV**

Californiedreef 26, 3565 BL Utrecht, The Netherlands Telephone: +31

30 261 9656

E-mail: info@datavideo.nl

- **Datavideo Technologies Co., Ltd.**

7F. No. 352, Sec. 2, Chung Shan Rd. Chung Ho City, Taipei Hsien,

Taiwan R.O.C

Telephone: +886 2 2246 7979

E-mail: info@datavideo.com.tw

Product Support

For information or assistance with the setup, operation, troubleshooting, or repair of your system, you may first wish to call the dealer from whom you purchased the Datavideo unit. **If necessary, please call the Datavideo Help Desk at the telephone numbers listed above**

Monday through Friday, 9:00 AM through 6:00 PM local time.

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