

# DV Bank Firmware Upgrade Procedure



# Contents

List of Required Equipment	2
Hard ware Install	2
Upgrade Firmware Procedure for NTSC system	2
Install Tera Term Pro Software	4
Run Tera Term Pro software and setup software	8
Erase Old Firmware File	13
Upgrade New Firmware File	18
Troubleshooting	21
Status 1: LCD Panel is Blank when power on	21
Status 2: Tera Term Window display 4F Fail or 20 fail	31
Status 3: Display Error—File System	32
Upgrade Firmware Procedure for PAL system	33

	00
Install Tera Term Pro Software	34
Run Tera Term Pro software and setup Software	38
Erase Old Firmware File	42
Upgrade New Firmware File	48
Troubleshooting	51
Status 1: LCD Panel is Blank when power on	51
Status 2: Tera Term Window display 4F Fail or 20 fail	61
Status 3: Display Error—File System	62
Service, Support and Warranty	63

# 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 <u>COM1</u> Serial port via <u>RS-232 adaptor</u> 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 <u>Tera term pro 2.3</u> 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:



b. Move mouse cursor to " C  $\ ^{\text{(C:)}}$  and double click left button.







and click right button

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

# Step 5:Install Tera Term Pro Software



a. Extra ttermp23.zip  $\,\cdot\,$  move mouse cursor to  $\,$   $\,$   $^{ttermp23}$  , click right button



**b.** Click "Extract to folder C:\ttermp23"

Step 6: Setup Tera Term 2.3 Pro Software:

a. move mouse cursor to C:\



b. Double Click ttermp23 ttermp23



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. C	lick "Start"		Start to run Tera Term pro Program				
<b>%</b>	Windows Update WinZip		EZ Cut Ulead MediaStudio Pro 6.5 VE Ulead PhotoImpact 7	) ) )	/ <b>7</b> 1	Paadma	
ſ.	<u>P</u> rograms	•	WinZip	Þ	ଟ୍ଧ	Tera Term help	
E	F <u>a</u> vorites <u>D</u> ocuments	•				Tera Term Pro	
12 23 24	<u>S</u> ettings <u>F</u> ind	*					
2	<u>н</u> ер <u>R</u> un	_					
2 )	<u>L</u> og Off USER Sh <u>u</u> t Down						
	Start 🛛 🧭	<b>\$</b>	»				

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

📕 Tera Term	- [disconned	cted] VT				_
<u>File Edit S</u> et	up C <u>o</u> ntrol	<u>W</u> indow <u>H</u> elp				
						<u> </u>
- T	Tera Term:	New connec	tion			×
	○ <u>T</u> CP/I	P H <u>o</u> st	152.20.1.3;	VXC	Ψ.	
			⊠ T <u>e</u> lnet	TCP port#:	23	
	• <u>S</u> eria	l Po <u>r</u> t	COM1	-		
				1		
		0	Cance	<u>H</u> elp		

Step12: Setup the Baud rate

Move mouse cursor to the screen <u>Setup</u> icon and click mouse left button.



Step19 : Select Serial port



10



#### 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 serrial 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

Tera Term: Send file			? ×
Look in: 🔂 Ttermpro		💽 🖻 🗹	🗃 🔳
delpassw.ttl     dialup.ttl     dialup.ttl     lbmkeyb.bak     lbmkeyb     keyboard.bak	keycode keycode keycodej login.ttl macro macroj	<ul> <li>Nt98keyb.bak</li> <li>Pt98keyb</li> <li>Pc98keyb.bak</li> <li>Pc98keyb</li> <li>Pc98keyb</li> <li>readme</li> <li>readme</li> <li>readmej</li> </ul>	Teraterm.t Teraterm termp termp termpi termpro termpro
◄ [       File name:			▶ <u> </u> <u> </u>
Files of type: all		•	Cancel
			<u> </u>

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

Tera Term	: Send file		?×
Look in:	🔄 Ttermpro 📃	🖻 💆	
in delpa: in dialup in Ibmke in Ibmke in Keybo in Keybo	My Documents My Documents 34 Floppy (A:) Program Files Ttermpro (D:)	98keyb.bak 98keyb :98keyb.bak :98keyb adme admej	Teraterm.E Teraterm Teraterm termp termp termpi termpro termpro termpro
File <u>n</u> ame			<u>Open</u>
Files of <u>ty</u>	<ul> <li>DFE-5301X 20020724</li> <li>DV BANK Firmware Upgrade SOFT<sup>1</sup></li> <li>EZCUT-0870-91-11-8</li> <li>EZ-CUT-91-11-13</li> <li>EZ-CUT-91-11-13-TEST-REPORT</li> <li>EZCUTV0869</li> </ul>		Cancel <u>H</u> elp
	Unline Services		

Step28: Double Click Dm09b folder

Tera Term: Send file		? ×
Look in: 🖃 (C:)	- E 🗹 (	* 🔳
My Documents My Documents Program Files Sbpci ttermp23 Windows	<ul> <li>Windows Update Setup Files</li> <li>Autoexec</li> <li>Command</li> <li>Config.ctl</li> <li>DM09B</li> <li>Fetndi.log</li> </ul>	<ul> <li>■ Netlog</li> <li>Scandisk.lo</li> <li>■ SetupxIg</li> <li>■ ttermp23</li> </ul>
•		F
File <u>n</u> ame:		<u>O</u> pen
Files of type: all	<b>•</b>	Cancel
		<u>H</u> elp
Option <u>B</u> inary		



Step29: Double Click NTSC folder

Tera Term: Se	end file					? ×	I
Look jn: 🔂	Dm09b	 •	<b>E</b>	<u></u>	<del>c</del> *		
Pal							
File <u>n</u> ame:						<u>O</u> pen	
Files of type:	all			•		Cancel	
						<u>H</u> elp	
Option	≧inary						

Step30 : Double Click Update.dat

Tera Term: Se	end file						? ×
Look jn: 🔂	Ntsc	 •	£	<u></u>	<u>r</u>		<b></b>
DM09BN5.	bin						
File <u>n</u> ame:	Update					<u>O</u> pen	
Files of <u>type</u> :	all			•		Cance	:
						<u>H</u> elp	
Option 🔽 !	<u>B</u> inary						

Step31: Start to erase the firmware file, The <u>write</u> text will indicate after firmware erase

complete.





Please Click File



#### Step33: Click Send file

🛄 Tera Term - COM1 VT			_ 🗆 🗙
<u>File E</u> dit <u>S</u> etup C <u>o</u> ntrol <u>W</u>	(indow <u>H</u> elp		
New connection Alt+N	070809		<b></b>
	-		
Send file			
Iransfer 🗸 🕨			
Change directory			
Print Alt+P			
Disconnect			
Exit Alt+Q			
			-

Step34 : Double Click DM09BN5.bin to update firmware.

Tera Term: S	end file					? ×
Look in: 🔁	Ntsc	•	£		<del>r</del>	<b></b>
DM09BN5	bin					
	·					
File <u>n</u> ame:	DM09BN5					<u>O</u> pen
Files of type:	all			•		Cancel
						<u>H</u> elp
Option	Dia					
	<u>B</u> inary					

-1	$\mathbf{n}$
	u
	-

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

🛄 Tera Term: Send file		
Filename:		DM09BN5.bin
Bytes transfered	:	12200
Close	Pau <u>s</u> e	<u>H</u> elp

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 <u>write</u> text will indicate after firmware erase is complete.



🛄 Tera Term - C	OM1 VT			_ 🗆 🗵
<u>File E</u> dit <u>S</u> etup	Control	<u>W</u> indow	Help	
1. Flash Menu 2. Intern. Dia 3. Extern. Dia R. Reset Q. Quit 1. Flash ROM 2. Flash Upd 3. Flash CFG 4. RdCfg-Tmp Q. Quit Erase	10 ល			

Step6 : Click File



Step7 : Click Send file



Step8 : Choice the option of Binary

Tera Term: Send f	ile		? ×
Look in: 🔂 Tterm	pro	💌 🖻 💆	📸 🔳
delpassw.ttl dialup.ttl dialup.ttl lbmkeyb.bak lbmkeyb Keyboard.bak Keyboard	<ul> <li>in keycode</li> <li>in keycode</li> <li>in keycode</li> <li>in login.ttl</li> <li>in macro</li> <li>in macro</li> </ul>	() Nt98keyb.bak () Nt98keyb () Pc98keyb.bak () Pc98keyb () Pc98keyb () readme () readme () readme)	Teraterm.E Teraterm ttermp ttermpj ttermpro ttermpro
			F
File <u>n</u> ame:			<u>O</u> pen
Files of type: all		•	Cancel
			<u>H</u> elp
Option 🔽 Binary	₽		

Step9 : Choice Look in C:\

Tera Term: Send fi	le		? ×
Look jn: 🔂 Tterm	pro	<u>,</u> e 🖉	🗃 🔳
delpassw.ttl	👖 keycode	Nt98keyb.bak	🛋 Teraterm.L
🛋 dialup.ttl	🗒 keycode	📇 Nt98keyb	🔋 Teraterm
🛋 Ibmkeyb.bak	🗒 keycodej	🛋 Pc98keyb.bak	🥏 ttermp
📕 Ibmkeyb	🝺 login.ttl	📇 Pc98keyb	🥺 ttermpj
📕 🛋 Keyboard.bak	🥏 macro	🗒 readme	💻 ttermpro
📕 Keyboard	🥏 macroj	🗒 readmej	📕 ttpmacro
•			F
File <u>n</u> ame:			<u>O</u> pen
Files of type: all		•	Cancel
			<u>H</u> elp
Option 🔽 Binary			

Step10 : Choose C :



Step11: Double Click Dm09b folder

Tera Term: Send file		? ×
Look in: 🖃 (C:)	- 🖻 💆 🗈	* 🔳
Dm09b	🚊 Windows Update Setup Files	🗏 Netlog
My Documents	Autoexec	🙍 Scandisk.lo
Program Files	🛅 Command	🗏 Setupxlg
Sbpci	🔊 Config.ctl	💐 ttermp23
ttermp23	콑 DM09В	
🗋 Windows	🛋 Fetndi.log	
		F
File <u>n</u> ame:		<u>O</u> pen
Files of type: all	<b>_</b>	Cancel
		<u>H</u> elp
Option <u>B</u> inary		

Step12: Select NTSC folder

Tera Term: S	end file				? ×
Look in: 🔂	Dm09b	•	<b>E</b>	📥	III 📰
Pal					
File <u>n</u> ame:					<u>]</u> pen
Files of type:	all		•	C	ancel
				ŀ	<u>H</u> elp
Option 🔽	<u>B</u> inary				

Step13 : Double Click DM09BN5.bin

Tera Term: S	end file				?	×
Look jn: 🔂	Ntsc	- 🗈	<u></u>	<b>C</b>	<b></b>	
DM09BN5	bin					1
	l					
						1
File <u>n</u> ame:	DM09BN5				<u>O</u> pen	
Files of type:	all		•		Cancel	
					<u>H</u> elp	
Option	D.					
	Binary					

Step14: Firmware start to download

🛄 Tera Term: Send file	2	
Filename:		DM09BN5.bin
Bytes transfered	i:	9400
Close	Pau <u>s</u> e	<u>H</u> elp

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

Step16 : Key in ``Q``for Quit

🛄 Tera Term - C	OM1 VT			
<u>File E</u> dit <u>S</u> etup	C <u>o</u> ntrol	<u>W</u> indow	Help	
<ol> <li>Flash Menu</li> <li>Intern. Di</li> <li>Extern. Di</li> <li>Extern. Di</li> <li>R. Reset</li> <li>Q. Quit</li> <li>I.Flash ROM</li> <li>2.Flash Upd</li> <li>3.Flash CFG</li> <li>4.RdCfg-Tmp</li> <li>Q.Quit</li> <li>Erase</li> <li>Write</li> <li>pass</li> <li>1.Flash ROM</li> <li>2.Flash ROM</li> <li>2.Flash CFG</li> <li>4.RdCfg-Tmp</li> <li>S.Wicfg-Tmp</li> <li>Q.Quit</li> </ol>	7Â 7Â			

Step17: Key in ``R``for RESET

🛄 Tera Term - COM1 VT	<u>- 🗆 ×</u>
<u>File Edit Setup Control Window Help</u>	
2. Intern. Diag	
3. Extern. Diag	
R. Reset	
Q. Quit	
1.Flash ROM	
2.Flash Upd	
3. Flash CFG	
4.RdCfg-Tmp	
5.WrCfg-Tmp	
Q.Quit	
Erase	
Write	
pass	
1.Flash ROM	
2.Flash Opd	
3.Flash CFG	
4.RdCfg-Tmp	
5. WrUfg-Tmp	
Q.Quit	
1. Flash Menu	
2. Intern. Diag	
3. Extern. Diag	
R. Reset	
	<b>•</b>

Step18: Trea Term windows will display 0102020C4141050000040506070809 to mention the firmware download completed after follow through <u>Step 17</u>, Please refer the screen as below.



29

🛄 Tera Term - COM1 VT	
<u>File Edit Setup Control Window Help</u>	
3. Extern. Diag	
R. Reset	
Q. Quit	
1.Flash ROM	
2.Flash Upd	
3.Flash CFG	
4.RdCfg-Tmp	
5. WrCfg-Tmp	
Q.Quit	
Erase	
Write	
pass	
1. Flash ROM	
2.Flash Upd	
3.Flash CFG	
4. Ratig-Imp	
S. Writig-Imp	
U.ULL D. Flack Many	
1. Flash Menu	
2. Intern. Diag 2. Futern. Diag	
S. Excern. Diag	
A. RESEC	
Q, QUIC	
±	<b>_</b>

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 <u>SETP 18</u> (firmware download procedure.) Please refer the screen as

below .

🛄 Tera Term - COM1 VT	_ 🗆 🗵
<u>File Edit Setup Control Window H</u> elp	
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.l.Flash ROM	
2.Flash Upd	
3.Flash CFG	
4.RdCfg-Tmp	
5.WrCfg-Tmp	
Q.Quit	
Erase	
Write	
4F fail	
1. Flash XOM	
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

31

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:



Step 2 : Trea Term windows will display 0102020C4141050000040506070809 and DV-Bank LCD Panel will display <u>TRACK 01</u> 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 programTera term pro 2.3

c. Down Load program <u>Tera term pro 2.3</u> from website: http://hp.vector.co.jp/authors/VA002416/teraterm.html (ttermp23.zip),
d. Save <u>ttermp23.zip</u> to C:\

#### Step 4 : Extra Firmware Dm09.zip:



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

f. Move mouse cursor to " C  $\ ^{\text{(C:)}}$  and double click left button.



and click right button



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

# Step 5:Install Tera Term Pro Software

c. Extra ttermp23.zip + move mouse cursor to  $\ \ ^{ttermp23}$  , click right button



d. Click "Extract to folder C:\ttermp23"

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 ttermp23 ttermp23



- c. Double Click "Setup" setup
- d. Setup screen appear.

Step 06 : Choose Language and click Continue Button





Step 07 : click Continue Button

🛃 Tera Term Pro Setup		
Tera Ter	m Pro	
	Tera Term Pro Setup: Destination Path	×
	Tera Term Pro will be installed into the following directory. Path: C:\PROGRAM FILES\TTERMPRO	
	If Tera Term setup files exist in the path, they will be renamed and backed up. Others will be overwritten.	
	<u>Continue</u> <u>B</u> ack <u>E</u> xit <u>H</u> elp	

Step 08 : Click 📕 Button, firmware download complete.



Step 09 : click OK Button



### Step10:

### Run Tera Term Pro software and setup software:



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

📕 Tera Term	- [disconnec	ted] VT				_ 🗆 ×
<u>File E</u> dit <u>S</u> et	up C <u>o</u> ntrol <u>∖</u>	⊻indow <u>H</u> elp				
						<u> </u>
	Tera Term: N	lew connectio	n		<u>&gt;</u>	
	O <u>T</u> CP/IF	• H <u>o</u> st:	152.20.1.3; V	KC	7	
			🗷 T <u>e</u> lnet	TCP port#:	23	
	• <u>S</u> erial	Po <u>r</u> t:	СОМ1 -			
	• Serial	Po <u>r</u> t: OK	COM1 - Cancel	Help		
	© Serial	Po <u>r</u> t: OK	COM1  Cancel	<u>H</u> elp		
	© <u>S</u> erial	Po <u>r</u> t: OK	COM1  Cancel	Help		
	© Serial	Po <u>r</u> t: OK	COM1 - Cancel	Help		

Step18: Setup Baud rate Please Click Setup





Step19: Click Serial port





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

Tera Term: Send file		? ×
Look jn: 🔂 Ttermpro	- 🗈 🗹	¥ 🔳
delpassw.ttl         H keycode         dialup.ttl         H keycode         Ibmkeyb.bak         H bmkeyb         bmkeyb         M login.ttl         Keyboard.bak         Ø macro         F Keyboard         Ø macroj	<ul> <li>Nt98keyb.bak</li> <li>Nt98keyb</li> <li>Pc98keyb.bak</li> <li>Pc98keyb</li> <li>Pc98keyb</li> <li>readme</li> <li>readme</li> <li>readmej</li> </ul>	Teraterm.E Teraterm ttermp ttermpj ttermpro ttpmacro
File name:		▶ <u>O</u> pen Cancel <u>H</u> elp

Step27 : Click look in icon the select	<b>-</b>	, choice (	C:)
--	----------	------------	-----

Tera Term	: Send file		? ×
Look in:	🔄 Ttermpro 📃	🖻 🗹	📸 🔳
in delpa dialup in Ibmke in Keybo in Keybo	Desktop My Documents My Computer St Floppy (A:) St Floppy (A:) Flow ram Files Ttermpro (D:) (E:) Network Neighborhood	98keyb.bak 98keyb :98keyb :98keyb.bak :98keyb adme admej	Teraterm.E Teraterm ttermp ttermpro ttermpro ttermpro
File <u>n</u> ame Files of ty	<ul> <li>91-9-20- EZCUTV0869</li> <li>DFE-530TX 20020724</li> </ul>		<u>O</u> pen Cancel
Option	UV BANK Himware Upgrade SUF IV     EZCUT-0870- 91-11-8     EZ-CUT-91-11-13     EZ-CUT-91-11-13-TEST-REPORT     EZCUTV0869     Online Services		<u>H</u> elp

Step28: Double Click Dm09b folder

Tera Term: Send file		? ×
Look jn: 🖃 (C:)	🗉 🗹 🗹	* 🔳
My Documents My Documents Program Files Sbpci ttermp23 Windows	Windows Update Setup Files Autoexec Command Config.ctl DM09B Fetndi.log	<ul> <li>■ Netlog</li> <li>Scandisk.lo</li> <li>■ SetupxIg</li> <li>■ ttermp23</li> </ul>
•		F
File <u>n</u> ame:		<u>O</u> pen
Files of type: all	•	Cancel
		<u>H</u> elp
Option 🔽 Binary		

Step29: Double Click PAL folder

Tera Term: Se	end file						? ×
Look jn: 🔂	Dm09b	 -	£	<u></u>	<b>d</b>		<b></b>
Ntsc R							
File <u>n</u> ame:			_			<u>O</u> pen	
Files of <u>type</u> :	all			•		Cance	
Option	Binary					<u>H</u> elp	

Step30 : Double Click Update.dat

Tera Term: Se	end file						? ×
Look jn: 🔂	Pal	 •	£	<u></u>	<b>C</b>		<b></b>
DM09BP5.	bin						
File <u>n</u> ame:	Update		_			<u>O</u> pen	
Files of <u>type</u> :	all	 		•		Cance	:
						<u>H</u> elp	
Option 🔽 !	<u>B</u> inary						

Step31: Start to erase the firmware file, The <u>write</u> text will indicate after firmware erase

complete.





Please Click File



#### Step33: Click Send file

🛄 Tera Term - COM1 VT			_ 🗆 🗙
<u>File E</u> dit <u>S</u> etup C <u>o</u> ntrol <u>W</u>	(indow <u>H</u> elp		
New connection Alt+N	070809		<b></b>
	-		
Send file			
Iransfer 🗸 🕨			
Change directory			
Print Alt+P			
Disconnect			
Exit Alt+Q			
			-

Step34 : Double Click DM09BN5.bin to update firmware.

Tera Term: S	end file					? ×
Look in: 🔁	Ntsc	•	£		<del>r</del>	<b></b>
DM09BN5	bin					
	·					
File <u>n</u> ame:	DM09BN5					<u>O</u> pen
Files of type:	all			•		Cancel
						<u>H</u> elp
Option	Dia					
	<u>B</u> inary					

4	0
4	9

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

🛄 Tera Term: Send file		
Filename:		DM09BN5.bin
Bytes transfered	:	12200
Close	Pau <u>s</u> e	<u>H</u> elp

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 <u>write</u> text will indicate after firmware erase is complete.



🛄 Tera Term - C	OM1 VT			_ 🗆 🗙
<u>File E</u> dit <u>S</u> etup	Control	<u>W</u> indow	Help	
<ol> <li>Flash Menu</li> <li>Intern. Dia</li> <li>Extern. Dia</li> <li>R. Reset</li> <li>Quit</li> <li>Flash ROM</li> <li>Flash Upd</li> <li>Flash CFG</li> <li>4.RdCfg-Tmp</li> <li>WrCfg-Tmp</li> <li>Quit</li> <li>Erase</li> </ol>	ia ia			

Step6 : Click File



Step7 : Click Send file



Step8 : Choice the option of Binary

Tera Term: Send f	ile		? ×
Look in: 🔂 Tterm	pro	💌 🖻 💆	📸 🔳
delpassw.ttl dialup.ttl dialup.ttl lbmkeyb.bak lbmkeyb Keyboard.bak Keyboard	<ul> <li>in keycode</li> <li>in keycode</li> <li>in keycode</li> <li>in login.ttl</li> <li>in macro</li> <li>in macro</li> </ul>	() Nt98keyb.bak () Nt98keyb () Pc98keyb.bak () Pc98keyb () Pc98keyb () readme () readme () readme)	Teraterm.E Teraterm ttermp ttermpj ttermpro ttermpro
			F
File <u>n</u> ame:			<u>O</u> pen
Files of type: all		•	Cancel
			<u>H</u> elp
Option 🔽 Binary	₽		

Step9 : Choice Look in C:\

Tera Term: Send fi	le		? ×
Look in: 🔂 Tterm	pro	<u> </u>	🗃 🔳
delpassw.ttl dialup.ttl Dimkeyb.bak bmkeyb	₩ keycode keycode keycodej keycodej keycodej	IN N198keyb.bak I N198keyb I Pc98keyb.bak I Pc98keyb Pc98keyb	<ul> <li>Teraterm.t</li> <li>Teraterm</li> <li>ttermp</li> <li>ttermp</li> </ul>
Keyboard.bak	macro macroj	≡j readme ≝) readmej	ttermpro
File <u>n</u> ame:			<u>O</u> pen
Files of <u>type</u> : all		×	Cancel <u>H</u> elp
Option <u>Binary</u>			

Step10 : Choose C :



Step11: Double Click Dm09b folder

Tera Term: Send file		? ×
Look in: 🖃 (C:)	- 🖻 🗹 (	* 🔳
Dm09b	🚊 Windows Update Setup Files	🖹 Netlog
My Documents	Autoexec	🝺 Scandisk.lo
Program Files	🛅 Command	🗒 Setupxlg
📄 Sbpci	🖻 Config.ctl	콑 ttermp23
ttermp23	콑 DM09В	
🗋 Windows	🛋 Fetndi.log	
•		•
File <u>n</u> ame:		<u>O</u> pen
Files of type: all	<b>_</b>	Cancel
		<u>H</u> elp
Option Binary		

Step12: Select PAL folder

Tera Term: Se	end file						? ×
Look in: 🔂	Dm09b	•	<b>E</b>	<u></u>	<b>C</b>		<b></b>
Ntsc P Fa V							
File <u>n</u> ame:		 				<u>O</u> pen	
Files of type:	all		ľ	•		Cancel	
						<u>H</u> elp	
Option 🔽 [	<u>B</u> inary						

Step13: Double Click DM09BP.bin

Tera Term: S	end file							? ×
Look jn: 🔂	Pal		•	£		<b>e</b>		<b>=</b>
DM03BP5	bin							
File <u>n</u> ame:	Update		_	_			<u>O</u> per	1
Files of type:	all		_		•		Cance	el
							<u>H</u> elp	
Option 🔽	<u>B</u> inary							

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

🛄 Tera Term: Send file	9	
Filename:		DM09BP5.bin
Bytes transfered	d:	17800
Close	Pau <u>s</u> e	<u>H</u> elp

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

Step16 : Key in ``Q``for Quit

File Edit Setup Control Window Help         1. Flash Menu         2. Intern. Diag         3. Extern. Diag         R. Reset         0. Quit         1.Flash ROM         2.Flash Upd         3.Flash CFG         4.RdCfg-Tmp         5.WrCfg-Tmp         Q.Quit         1.Flean ROM         2.Flash Upd         3.Flash CFG         4.RdCfg-Tmp         5.WrCfg-Tmp         0.Quit         S.Flash CFG         4.RdCfg-Tmp         0.Quit	🛄 Tera Term - C	:OM1 VT			_ 🗆 🗵
<pre>1. Flash Menu 2. Intern. Diag 3. Extern. Diag R. Reset 0. Quit 1.Flash ROM 2.Flash Upd 3.Flash CFG 4.RdCfg-Tmp 5.WrCfg-Tmp Q.Quit Erase Write pass 1.Flash CFG 4.RdCfg-Tmp 5.VrCfg-Tmp 5.Vr</pre>	<u>File E</u> dit <u>S</u> etup	C <u>o</u> ntrol	<u>W</u> indow	Help	
	<ol> <li>Flash Menu</li> <li>Intern. Di:</li> <li>Extern. Di:</li> <li>R. Reset</li> <li>Q. Quit</li> <li>I.Flash ROM</li> <li>2.Flash Upd</li> <li>3.Flash Upd</li> <li>3.Flash CFG</li> <li>4.R4Cfg-Tmp</li> <li>Q.Quit</li> <li>Erase</li> <li>Write</li> <li>pass</li> <li>1.Flash Upd</li> <li>3.Flash CFG</li> <li>4.R4Cfg-Tmp</li> <li>Q.Quit</li> </ol>	7 <u>0</u> 7			

Step17: Key in ``R``for RESET

🛄 Tera Term - COM1 VT	<u> – – ×</u>
<u>File Edit Setup Control Window Help</u>	
2. Intern. Diag	
3. Extern. Diag	
R. Reset	
Q. Quit	
1.Flash ROM	
2.Flash Upd	
3. Flash CFG	
4.RdCfg-Tmp	
5.WrCfg-Tmp	
Q.Quit	
Erase	
Write	
pass	
1.Flash ROM	
2.Flash Opd	
3.Flash CFG	
4.RdCfg-Tmp	
5. WrUfg-Tmp	
Q.Quit	
1. Flash Menu	
2. Intern. Diag	
3. Extern. Diag	
R. Reset	
	<b>•</b>

Step18: Trea Term windows will display 0102020C4141050000040506070809 to mention the firmware download completed after follow through <u>Step 17</u>, Please refer the screen as below.



59

💻 Tera Term - COM1 VT	
<u>File Edit Setup Control Window H</u> elp	
3. Extern. Diag	
R. Reset	
Q. Quit	
1.Flash ROM	
2.Flash Upd	
3. Flash CFG	
4.RdCfg-Tmp	
5. WrCfg-Tmp	
write	
pass L Rissk Dou	
1. Flash Kun	
2. Flash CPC	
A DdCfa-Two	
0.Ouit	
1. Flash Menu	
2. Intern. Diag	
3. Extern. Diag	
R. Reset	
Q. Quit	
0102030C4141050000040506070809	
÷	-

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 <u>SETP 18</u> (firmware download procedure.) Please refer the screen as

below .

🛄 Tera Term - COM1 VT	_ 🗆 🗵
<u>File Edit Setup Control Window H</u> elp	
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.l.Flash ROM	
2.Flash Upd	
3.Flash CFG	
4.RdCfg-Tmp	
5.WrCfg-Tmp	
Q.Quit	
Erase	
Write	
4F fail	
1. Flash XOM	
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

61

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:



release after.

Step 2 : Trea Term windows will display 0102020C4141050000040506070809 and DV-Bank LCD Panel will display <u>TRACK 01</u> 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. You may also visit our Internet site at http://www.datevideo-tek.com contact or our International Service Representatives via E-mail at service@datavideo.com.tw