VMIII & Remote Panel Firmware Upgrade Process

• Preparation for firmware upgrade operation

Step1. Connect the unit and the PC via RS232 cable or USB cable, and utility power to AC terminal, switches AC breaker on. Please refer to picture as below.

NOTE: There is no NEED to turn off the unit when updating the LCD program. KEEP the unit up and running and make sure the LCD is lit normally.

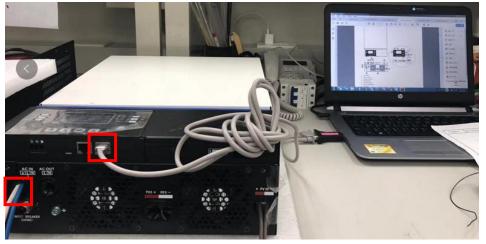


Figure 1-1



Figure 1-2

Step2. If use RS232, please check the COM Port Number as below pictures.

NOTE: Make sure all application communication software using this COM port is turned off. The application software include some UPS monitoring software.

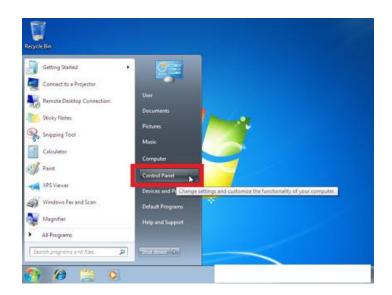






Figure 3

🖴 Device Manager	🚇 Device Manager
File Action View Help Image: Computer Image: Computer Image: Computer Image: Computer Image: Computer Image: Computer Image: Computer Image: Computer Image: Computer Image: Computer Image: Computer Image: Computer Image: Computer Image: Computer Image: Computer Image: Computer Image: Computer Image: Computer Image: Computer Image: Computer Image: Computer Image: Computer Image: Computer Image: Computer Image: Computer Image: Computer Image	Device Manager File Action View Help ← → 配 @
Ports (COM & LPT) Ports (COM & LPT) Processors Sound RAID controllers Sound, video and game controllers System devices Vniversal Serial Bus controllers	■ 1394 Net Adapters ■ 1394 Net Adapter ■ Broadcom 440x 10/100 Integrated Controller ■ Dell Wireless 1390 WLAN Mini-Card ■ VISB Serial Port (COM1) ■ Serial Port (COM1)

Figure 4

VMIII Firmware Upgrade Process

Step1. Execute "UPSReflashTool.exe". Please refer to below picture.

InvConfigFile.ini	2015/5/5 下午 08	Configuration Se	1 KB
💌 tmp.bin	2018/9/12 下午 0	BIN 檔案	127 KB
tmp.txt	2018/9/12 下午 0	文字文件	270 KB
🛃 UPSReflashTool.exe	2015/6/8 下午 12	應用程式	240 KB
VM3.hex	2018/3/1 上午 10	HEX 檔案	263 KB
VP5K.hex	2018/9/12 下午 0	HEX 檔案	258 KB



Step2. If use RS232, please select "com port number", if use USB, please select "USB". Click "File" to select file. Please refer to below picture.

INVReflashTool(Rev00.03)		INVReflashTool(Rev00.03)	×
Interface COM1	Exit	Interface. COM1 - USB -	Exit
Inverter Firmware Update Download:	File	Download: COM3	File
Progress:		Progress:	
Update Firmware	Cancel Update	Update Firmware	Cancel Update
(com port)	(USI	3)
(3011) port	, 	(00.	- /

Figure 6

Step3. Open "VM3.hex". Please refer to below picture.

INVReflas	hTool(Rev00.03)	
Interfa	ce: COM1 -	Exit
Inverte	r Firmware Update	
Downl	oad:	File
55	開啟	
Prc 15	專位置(I): 🌗 VMIII MAIN 🔽	← 🗈 💣 📰 -
4	3稱	修改日期
	VM3.hex	2018/3/1 上午 10:31
-	III	E E
檔	案名稱(N): <mark>*.hex</mark>	開啟(O)
權	案類型(T): Firmware Files(* hex) ▼ 「以唯讀方式關散(R)	
_		

Figure 7

Step4. Click "Update Firmware" to upgrade firmware. Please refer to below picture.

	Rev00.03)	<u> </u>
Interface:	COM1 -	Exit
Inverter Firm	mware Update	
Download:	D:\AXPERT\WMIII\Code\ControlBoard\36-002414-XXG-Ver20.59\2.R Code\WMIII MAIN\WP5K.hex	File
Progress:		
Upo	date Firmware Cancel Update	
T1 . TTDC #: #1		
D:\AXPERT\VMIII\(Build S19 block list (Build Raw block list	Code/ControlBoard/36-002414-XXG-Ver20.59/2.Run Code/VMIII MAIN/VP5K.} OK OK	hex
The UPS firmware fil D:\AXPER TWMIIV Build S19 block list (Build Raw block list Write to tmp.btf file (Write to tmp.bin file	Code/ControlBoard/36-002414-XXG-Ver20.59/2.Run Code/VMIII MAIN/VP5K.} OK OK	hex
D:\AXPERT\VMIII\(Build S19 block list (Build Raw block list	Code/ControlBoard/36-002414-XXG-Ver20.59/2.Run Code/VMIII MAIN/VP5K.} OK OK	hex
D:\AXPERT\VMIII\ Build S19 block list (Build Raw block list	Code/ControlBoard/36-002414-XXG-Ver20.59/2.Run Code/VMIII MAIN/VP5K.} OK OK	hex
D:\AXPERT\VMIII\ Build S19 block list (Build Raw block list	Code/ControlBoard/36-002414-XXG-Ver20.59/2.Run Code/VMIII MAIN/VP5K.} OK OK	hex
D:\AXPERT\VMIII\ Build S19 block list (Build Raw block list	Code/ControlBoard/36-002414-XXG-Ver20.59/2.Run Code/VMIII MAIN/VP5K.} OK OK	hex

Figure 8

Please wait for about ten seconds. Upgrade firmware of MCU in progress.

INVReflashTool(_
Interface:	COM1 -			Exit	
Inverter Firi	nware Update				_
Download:	D:\AXPERT\VMIII\Coc Code\VMIII MAIN\VP:	de\ControlBoard\36- 5K.hex	002414-XXG-Ver20.59\2.R	File	
Progress:				3 %	
Upt	date Firmware	1	Cancel Update		
		_			
0.181~					
					-
9 Rd					
9 Rd 00 Wr					
9 Rd 00 Wr 00 Rd					
9 Rd 00 Wr 00 Rd 01 Wr					-
9 Rd 00 Wr 00 Rd 01 Wr 01 Rd					^
9 Rd 00 Wr 00 Rd 01 Wr 01 Rd 02 Wr					
9 Wr 9 Rd 00 Wr 00 Rd 01 Wr 01 Rd 02 Wr 02 Rd 03 Wr					•
9 Rd 00 Wr 00 Rd 01 Wr 01 Rd 02 Wr 02 Rd					

Figure 9

Step5. After the firmware upgrade successful, you can see the information as below. Click "Exit" to stop tool. Please refer to below picture.

Interface:	COM1 -	Exit
Inverter Firm	ware Update	
Download:	O:\AXPERT\VMIII\Code\ControlBoard\36-002414-XXG-Ver20.59\2.R Code\VMIII MAIN\VP5K.hex	File
Progress:		100 %
3427 Rd 3428 Wr 3428 Rd 3429 Rd 3429 Rd 3430 Wr 3430 Wr 3431 Wr 3431 Rd Send EOF Command C Jpdate finished 100 %		

Figure 10

Step6. Please check the firmware on the Identification page of the LCD. Please make sure the new firmware version of the Display U1 is 41.15