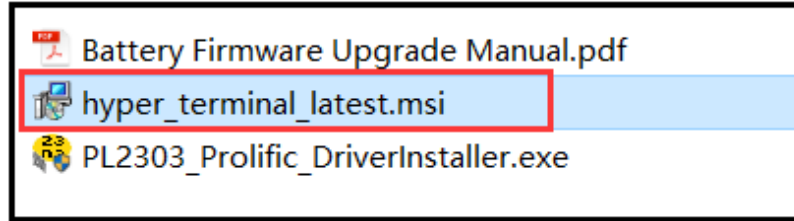# Battery Firmware Upgrade Manual
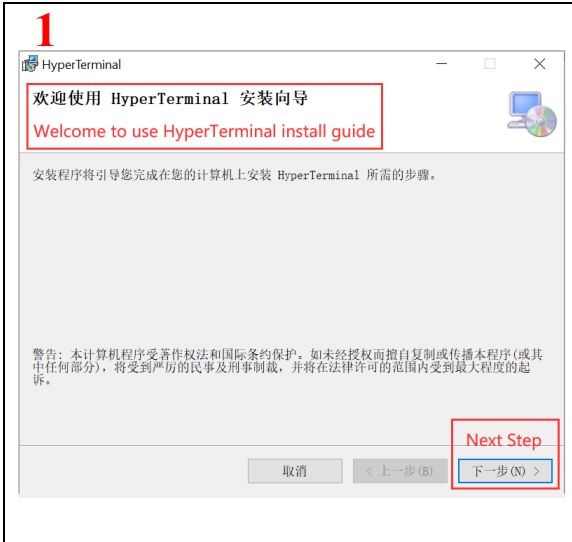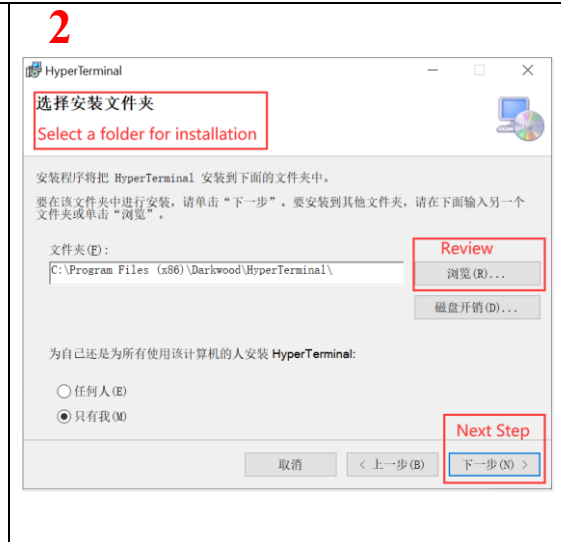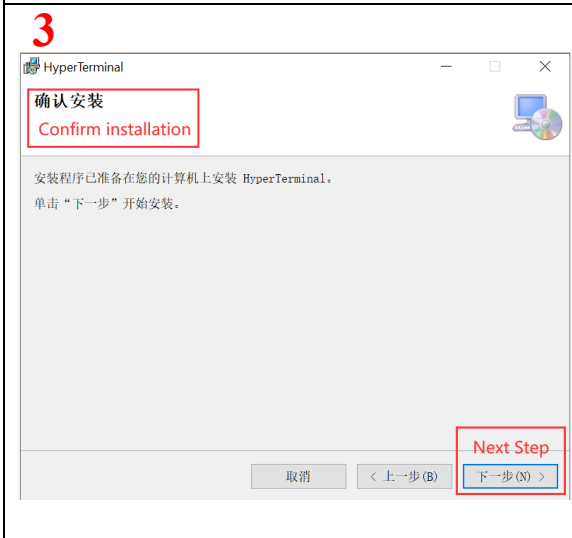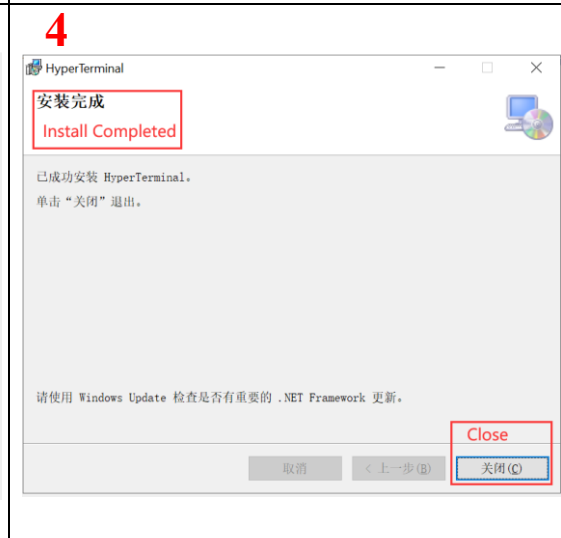
V1.0
12nd July, 2022

Step 1 Install Hyper Terminal

Open hyper_terminal_latest.msi file to install the software.

Step 2 Connect the cable

Connect the battery to your windows based PC/laptop by console cable. The crystal end plugs in battery Console port and USB ends plug in your PC/laptop.

After wiring, turn on the battery.

Battery End

Computer End

3. Run the Hyper Terminal

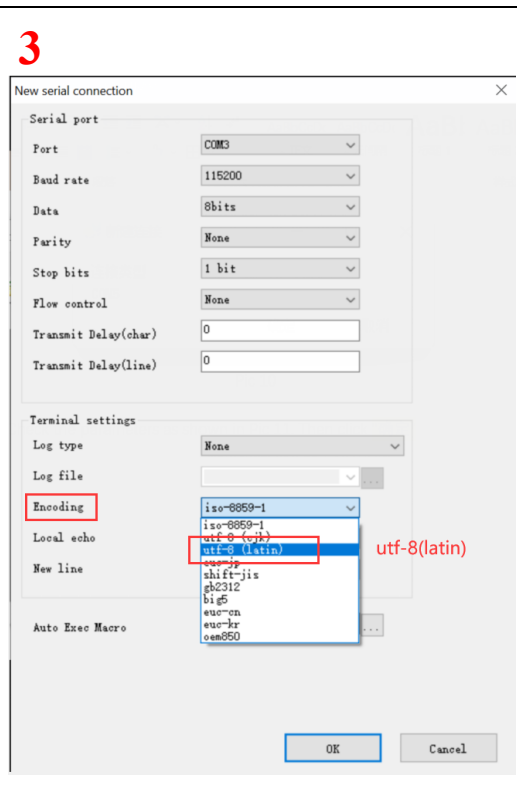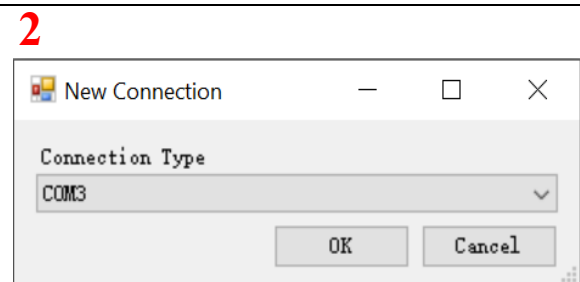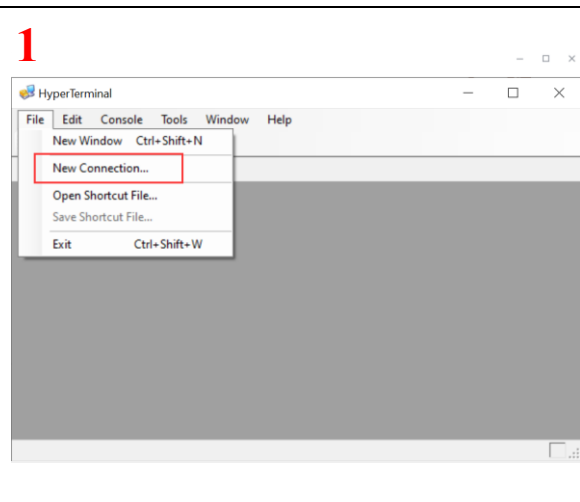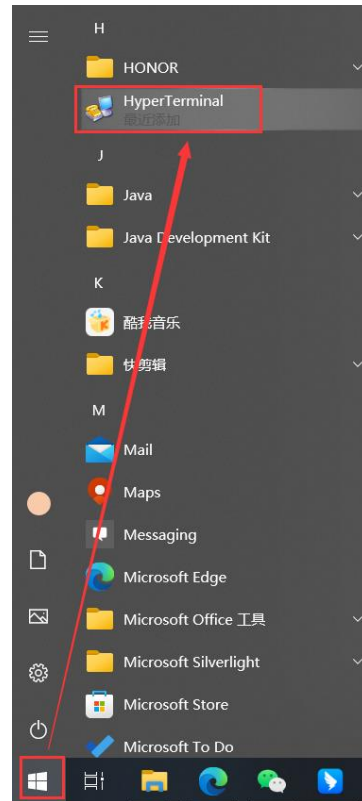Open the Hyper Terminal from window menu and create a new connection as following steps:
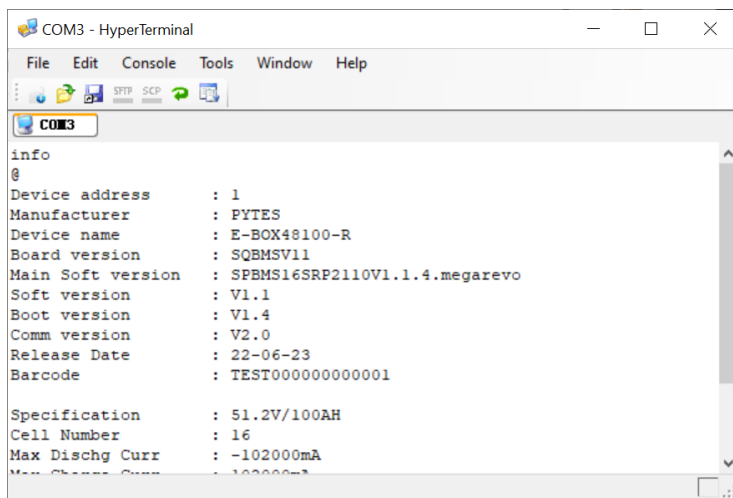
Click File
→New Connection
→COM3[1]*
→Encoding
→utf-8(latin)

1*: The port number depends on your connection number. COM3 is the default setting.

1

2

3

utf-8(latin)

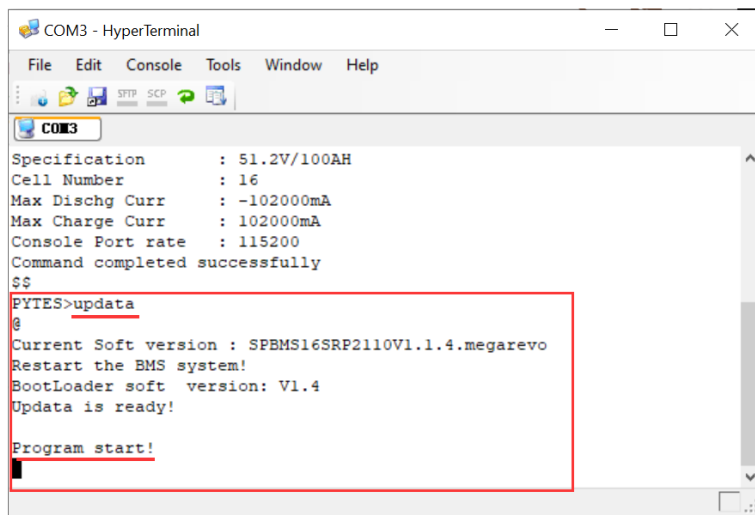|	
Input "info" to check the parameters of battery. Note that some computer needs to install the driver for RS232 cable. Please install the driver in the folder before the upgrade if you fail to obtain the battery information. PL2303_Prolific_DriverInstaller.exe	
Input "updata" to get upgrade program started.	
Click Console →Special →X/ZMODEM	

1. Select "Send to the host" for Transmit/Receive 2. Select "XModem" for Protocol 3. Review the bin. file path	
Start Data Sending. If there is a time out messagae, please restart the battery and connect again.	
Transmission completed	

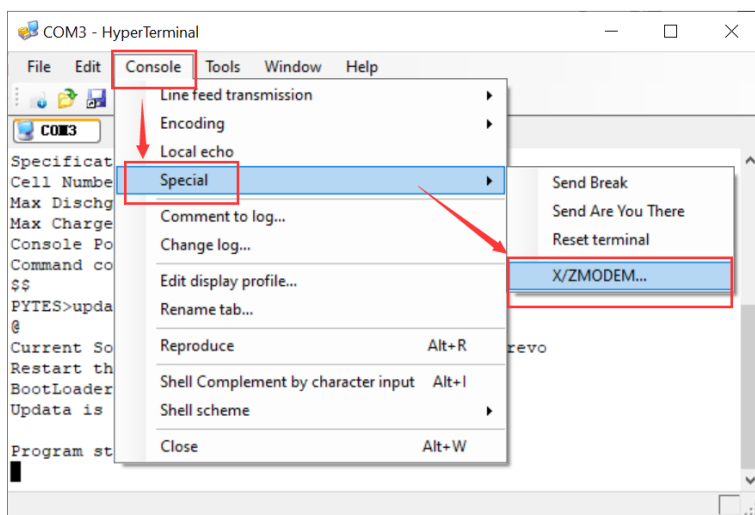|	

Input "info" again to check the battery Main Soft Version. Make sure it is the same as the bin. file name we offered.
 	
Check the Barcode that should remain the same as the S/N in the battery label.
If not, please input "tbar" + SN to rewrite the barcode.
Note that the SN is 4 digits capital letters and 12 number digits.
	COM4 - HyperTerminal
	File Edit Console Tools Window Help
	COM4
	`info`
	`@`
	`Device address     : 1`
	`Manufacturer       : PYTES`
	`Device name        : E-BOX48100-R`
	`Board version      : SQBMSV11`
	`Main Soft version  : SPBMS16SRP2110V1.1.3`
	`Soft version       : V1.1`
	`Boot version       : V1.4`
	`Comm version       : V2.0`
	`Release Date       : 22-06-06`
	`Barcode            : TEST000000000002`
	
	`Specification      : 51.2V/100AH`
	`Cell Number        : 16`
	`Max Dischg Curr    : -102000mA`
	`Max Charge Curr    : 102000mA`
	`Console Port rate  : 115200`
	`Command completed successfully`
	`$$`
	`PYTES_debug>tbar TEST000000000001`
	`@`
	`Test result:pass`
	`Barcode:TEST000000000001`
	`Command completed successfully`
	`$$`

Input "login debug"
Input "config default" to make the new BMS parameters take effect.
	`PYTES>login debug`
	`@`
	`Command completed successfully`
	`$$`
	`PYTES_debug>config default`
	`@`
	`Command completed successfully`
	`$$`
	`PYTES_debug>`