



Custom Battery Pack PC Software Operating Manual

The PC software operating manual supports CANBUS,UART,RS485 and RS232 communication protocols.

A Word Of Caution

1. This software is copyrighted by CM Batteries.
2. This software and accompanying manual may not be used or duplicated in part or in whole without a permission of CM Batteries.
3. We can not assume responsibility for any damage or loss resulting from changing the software setting without the guidance from CM Batteries.
4. Each battery pack with the unique software setting and it should be verified with CM Batteries' engineering team.

The Operating Instruction

CM Batteries will develop the intellegent software to monitor the real time data of your battery pack.We'll guide you how to operate the PC software.

1. Install PC software.

Get the software from here : [HDX_PC_boxed.exe](#). If this software file does not match your battery pack,please contact your consultant to get your unique software file.

2. Change the language Chinese into English

Open the software and find '语言' interface and change to English.

3. Connect the interface of the battery pack with your PC interface by a communication box.Then the communication of the battery pack works.

The screenshot displays the BMS_V1.11 software interface. The main window is titled 'realMonitor' and contains several panels:

- Voell(nV):** A table showing voltage levels for 32 cells. The first two columns show 'Voell_max' (3800) and 'Voell_min' (3500). The table lists cell numbers 01-32 with their respective voltage values (e.g., 3200, 3200, etc.).
- BasicInfo:** Displays 'Voltage xxx V', 'Electricity xxx A', 'SOC:85%', and a battery level indicator. Other parameters include 'SOH xxx %', 'Res_mAh xxx mAh', 'Full_mAh xxx mAh', and 'CycTime xxx'.
- Temperature(°C):** A list of 10 temperature sensors (TempMax to Temp10) with values 'xxx'.
- Message_Set:** A control panel with 'Port COM1', 'BaudRate 19200', and 'Open'/'BaudSwitch' buttons. It includes 'System_Status' (CHG_MOS, BSG_MOS, Heat, Cool) and 'Level1_Warning' through 'Level3-Protect' sections.
- SystemMonitorInfo:** A section at the bottom right for system monitoring information.

The status bar at the bottom shows 'R: 0', 'S: 0', 'HardwareVer: xxxxx', 'SoftwareVer: xxxxx', 'BMS_Serial: x'x'x'xxxxx', and 'Message: xxxxxxxx'.



4. Administrator Privilege Operation

The administrator privilege is forbidden unless you get the guidance from CM Batteries. Find "set"---"Administratorprivileges"-----"top privileges administrator". But you should get the password from CM Batteries.

The screenshot shows the BMS_V1.11 software interface. A 'Permission selection' dialog box is open, asking for the administrator password. A red arrow points to the 'OK' button in the dialog box, with the text '输入密码后,点击OK' (After entering the password, click OK) next to it. The background interface displays various battery parameters:

- Vcell (mV):** A table with columns for Vcell_max, Vcell_min, and Vcell_Ave, and rows for individual cells (01-32).
- BasicInfo:** Shows Voltage (xxx V), Electricity (xxx A), SOH (xxx %), Res_nAh (xxx nAh), Full_nAh (xxx nAh), and CycleTime (xxx). A battery icon shows SOC:85% and the word 'stewing' below it.
- Message_Set:** Includes Port (COM1), BaudRate (19200), and buttons for Open and Band_Switch. System_Status shows CHG_MOS, ISG_MOS, Heat, and Cool, all set to 'off'.
- Level_Warning:** Level1_Warning, Level2_Warning, and Level3-Protect sections.
- SystemMonitorInfo:** A section for system monitoring information.
- Footer:** Displays R: 0, S: 0, HardwareVer: xxxxx, SoftwareVer: xxxxx, BMS_Serial: x'x'x'x'xxxxx, and Message: communicate SKM.

[HDX_PC_boxed.zip](#)