

e-STATION Program

Instructions

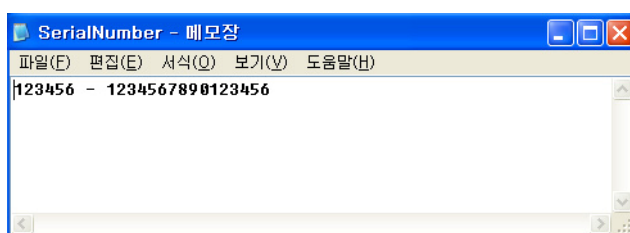
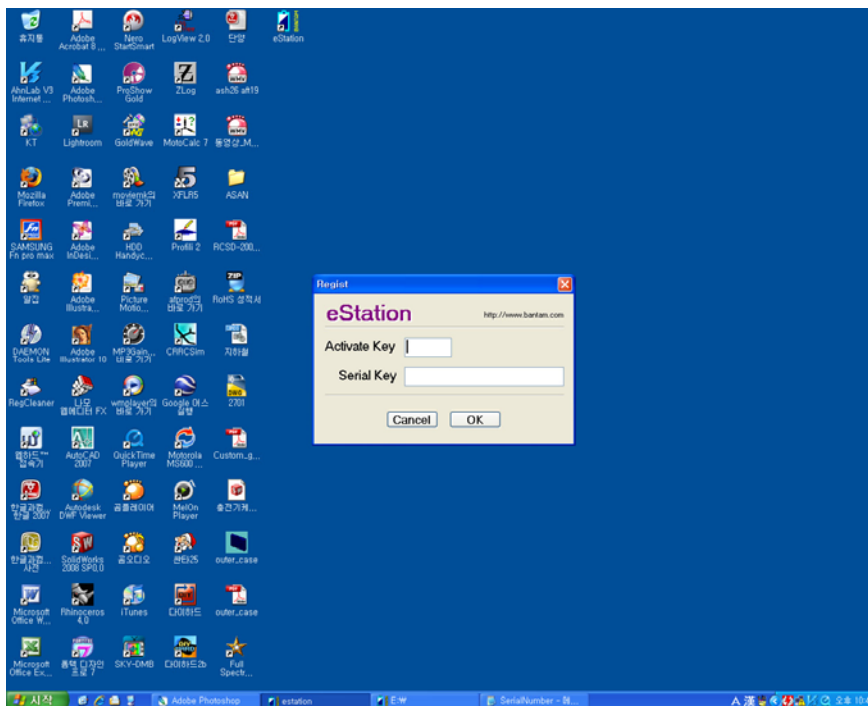


This software is an application program to monitor the operation of e-STATION chargers. It is self-instructive and easy to use for who are using e-STATION charger. This software needs a serial number and a key of its own to be operated normally.

Any commercial reproduction or copy of this program is strictly prohibited

- Executing the program

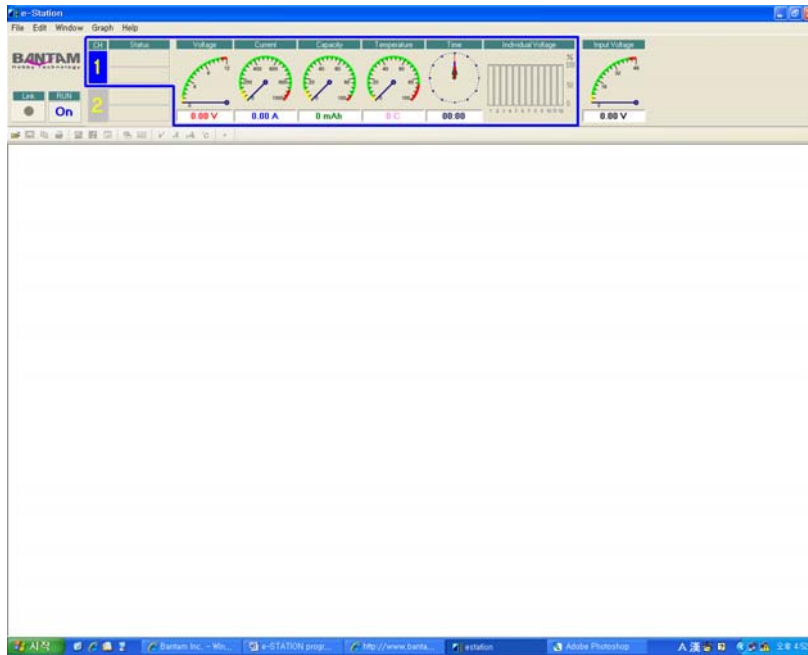
You can start the program by double-clicking the program icon at desktop or execute 'eStation.exe' at the directory where the software installed. If the setup procedure is completed successfully, you can find the short-cut icon of the program at desktop. When you run the program at the first time you need to input activate key and serial number which are supplied with CD. Look in the file 'SerialNumber.txt' at root directory of CD.



- 1) Execute 'e-STATION' program at PC.
- 2) Turn on the charger.
- 3) Link the charger and PC via USB cable which is supplied with charger. If the communication is normal, the green LED will be blinking.
- 4) Connect the battery being charged or discharged to charger's output and setup the charger program.
- 5) Start the process at the charger. A new window will be shown and the program starts to draw graph automatically.



- Program screen



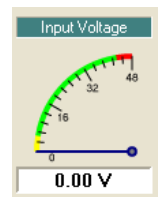
1) USB communication status

If the e-STATION charger is operating normally, the data packet will be transferred to PC at every one second. The yellow LED at the left-upper section of screen will be blinking at normal communication. If it does not blink, the communication has been disconnected or has a trouble. The e-STATION charger is using the way of serial port to link USB port. So it will be assigned to one of COM ports automatically (normally one of #3 to #9 COM port). But if there are more than 8 COM ports at your PC the USB port can be assigned to #10 COM port. In this case, the communication will be failed. You should assign the serial port number to one of #3~#9 COM port manually.



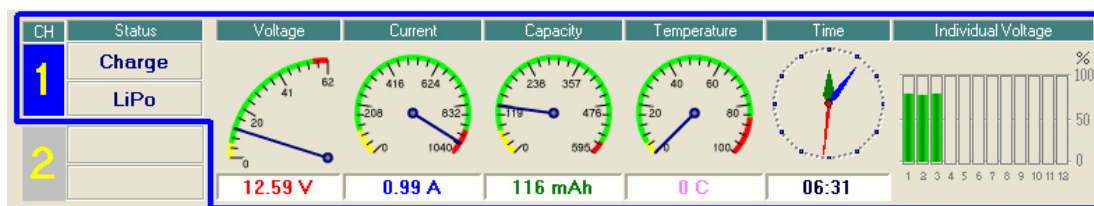
2) Input voltage gauge

An analogue and digital gauge of voltage which is supplied to charger from input DC power source.



3) Present status at an output of charger

The program only can show the information and graph from one of output channels of charger. You can switch the output channel of charger which will be shown at the program, when you are running both outputs of charger. Just locate the cursor at 'CH' area and click at the channel you want to display on the window.



4) Tool bar



OPEN – Open and show a saved data file.



SAVE – Save the graph of whole process as a file.



SAVE as SCV file format



PRINT – Print the graph



Copy to clipboard – Copy the graph image to clipboard



SAVE image – Save the graph image to a file



Edit title – Edit the title which is shown at top of graph screen.



Arrange windows – Arrange mutiple windows in cascade, or in tile



Show/hide specific curve – Show or hide the curve voltage, amps, capacity and temperature at the graph which is being shown



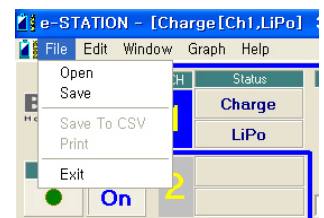
Show/hide crosshair cursor – Show or hide large crosshair cursor

- Main menu

1) File menu

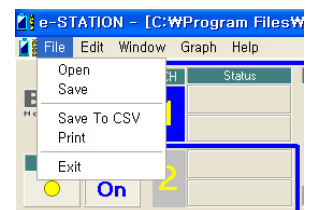
Save - Save the graph as a file

When the process has been finished, you can save the graph in the storage device. The file will be stored with file name followed by an extension of CGM. The program will not save the graph automatically when the window is closed.



Save To CSV - Save the graph as a file of different format

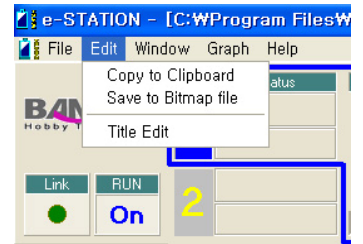
If you want to save the graph as a data file for specific program like Microsoft Excel, save the graph as CSV format. First, you have to save the graph as CGM format. Open the file and save it as CSV format. You can open the CSV file at Excel program

[illegible]

2) Edit menu

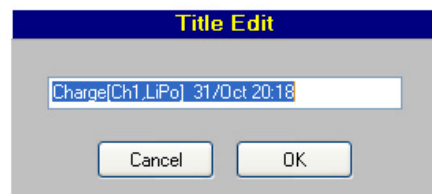
Copy to Clipboard – Copy and save the graph to clipboard.

Save to Bitmap file – Copy the graph to clipboard as BMP file format. This can be pasted to other application program.



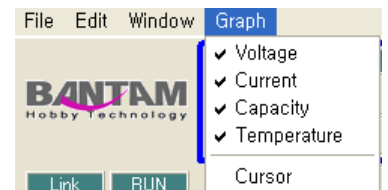
Title Edit – You can edit the present title of graph window. For future use of file, you may specify the battery name, capacity and cell-count(Lixx) added to the default title.

Charge[Ch1, LiPo] 31/Oct 20:18



3) Graph menu

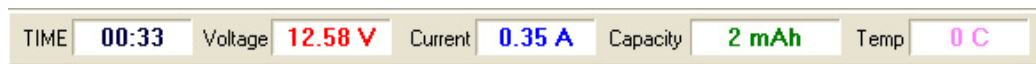
Select the curve value which will be shown at the graph.



- Cursor value

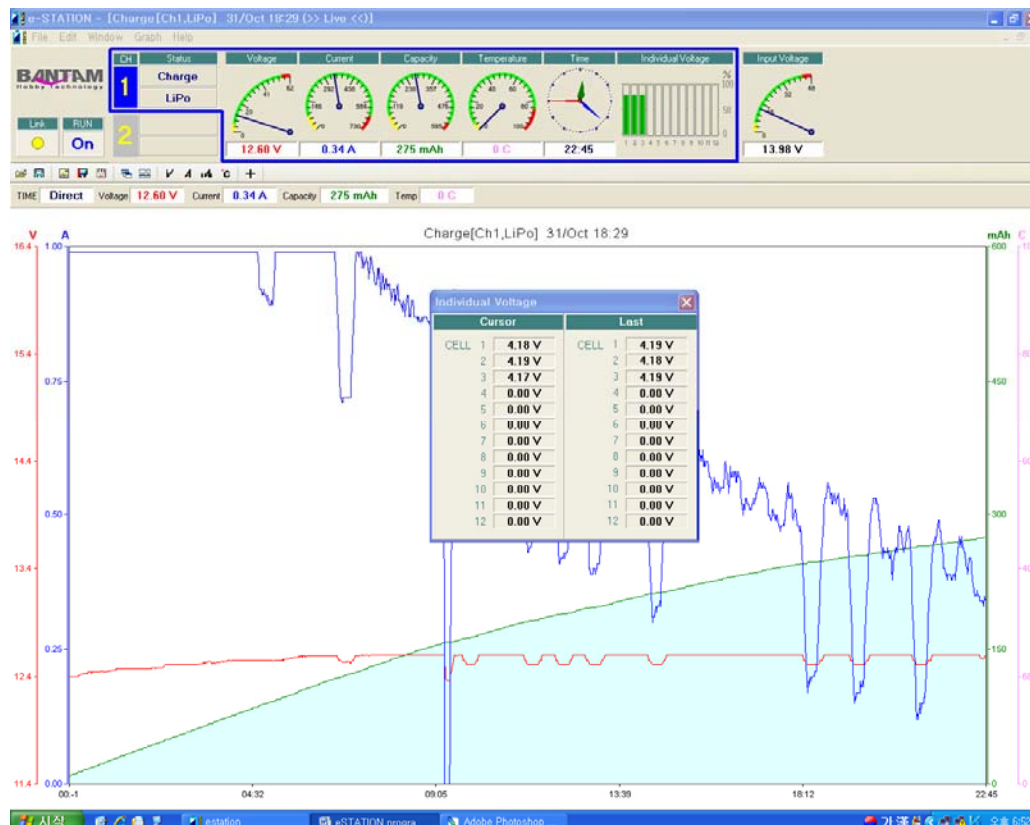
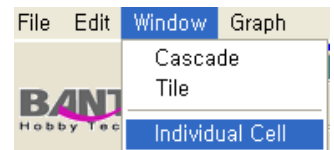
The values of specific time or point by moving the crosshair cursor to certain point of graph. If the cursor moves to out of graph area, the real time value will be shown during the charger is operating.





- Individual cell voltages

You can see the voltages of individual cells during balance-charging Lixx batteries at a small window. The voltages are shown in right side of window-‘Cursor’ are the point values where the cursor is, and the voltages on right side of window-‘Last’ are the real-time values.



- The display of analogue gauges

The analogue gauges always show the real-time values when the charger is linked and operated. But you can turn it off to show the cursor position values. It is useful to see the cursor value, when you open a saved graph file. To turn it on and off, move the cursor to the area and press and hold left mouse button and press right mouse button.

