

UPS MONITORING SOFTWARE USER MANUAL

Emily

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1. Installations & Settings

1.1. Note

- Operating OS : Windows 98/Me/2000/XP.
- Peripherals : Use either a serial port Connector or USB connector.

1.2. Install Instructions

- 1.2.1. Switch On the UPS. Connect the UPS comm. Port to the Computer USB or serial port with the respective signal cable. When you want to install this software, please login the file server as a SUPERVISOR.
- 1.2.2. Insert the Emily UPS monitoring software into the computer disc and AutoRun.exe will be executed by itself. If it isn't success, then run the "AutoRun.exe" by yourself.



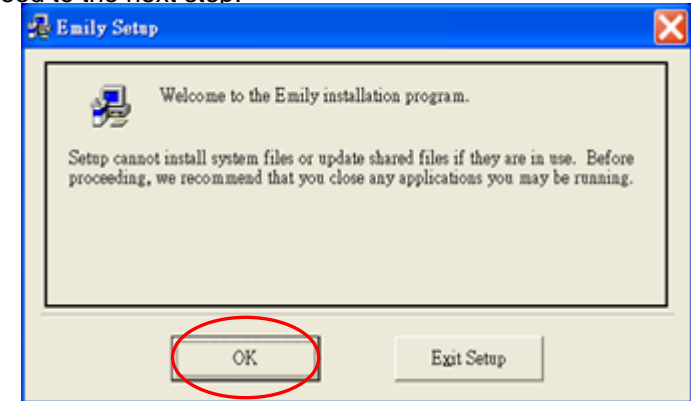
Install Emily : Click this button to install Emily.

Install VBRun60sp4 : If your OS is Windos98 version 1, please click it to update your OS and then install Emily again.

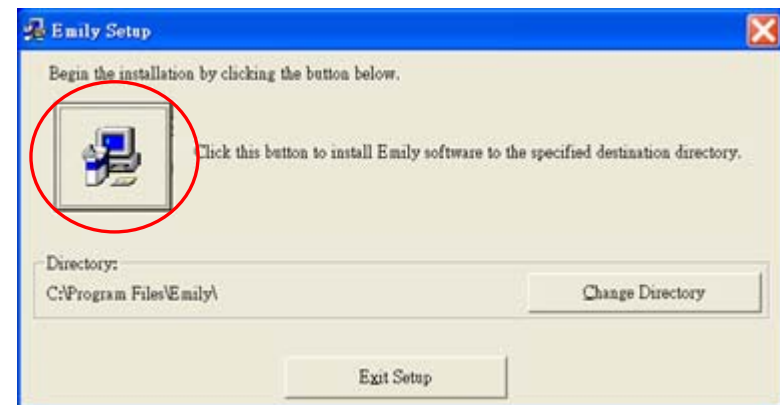
Software User Guide : If you would like to know how to use Emily, please click it. But please install Adobe Reader first. If you haven't it, please visit Adobe website: <http://www.adobe.com>

Exit : Exit program.

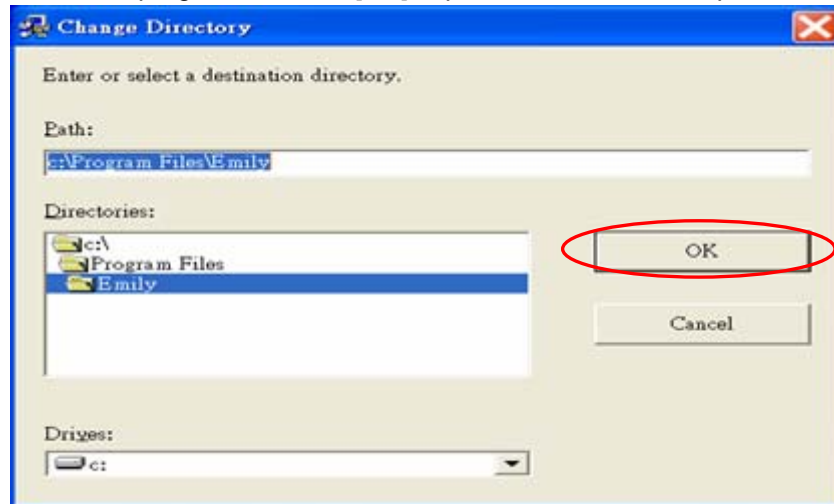
- 1.2.3. Upon seeing the "Emily Setup" page display as shown, click on [OK] to proceed to the next step.



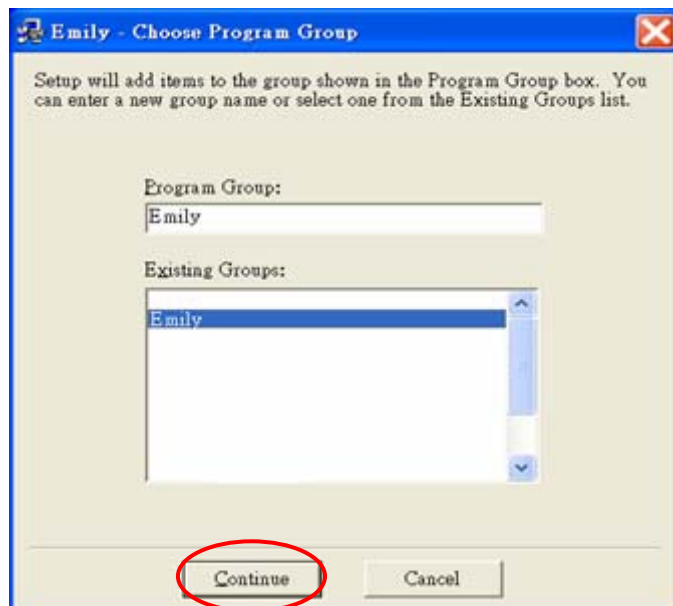
- 1.2.4. Click on [] to begin installation.



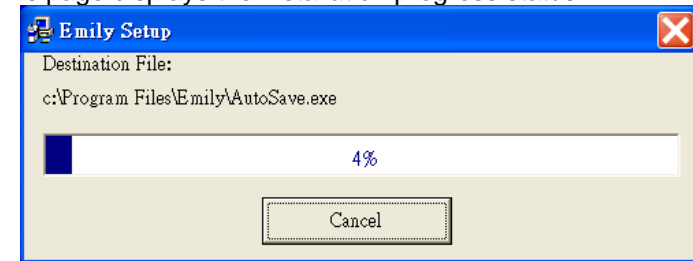
1.2.5. The [Change Directory] setup page allows user selection of the desired location where the Emily program is to be saved. The “Setup” program will automatically select “c:\Program Files\Emily” as the default path to save the program. Click on [OK] to proceed to the next step.



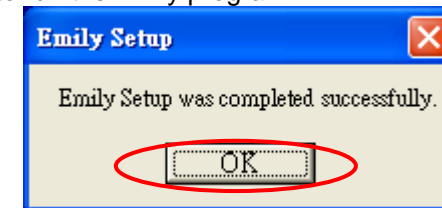
1.2.6. The “Choose Program Group” setup page allows user to change to the desired program name instead of “Emily”. The “Setup” program will automatically select “Emily” as the default Program Group. Click on [Continue] to continue installation.



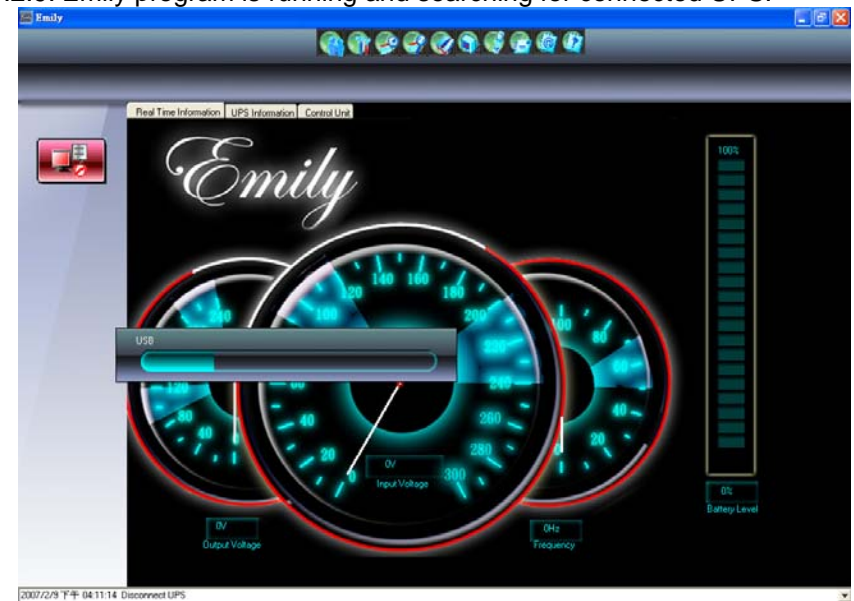
1.2.7. This page displays the installation progress status.



1.2.8. Upon “Setup” installation completed, the following page will be displayed. Click [OK] to run the Emily program.



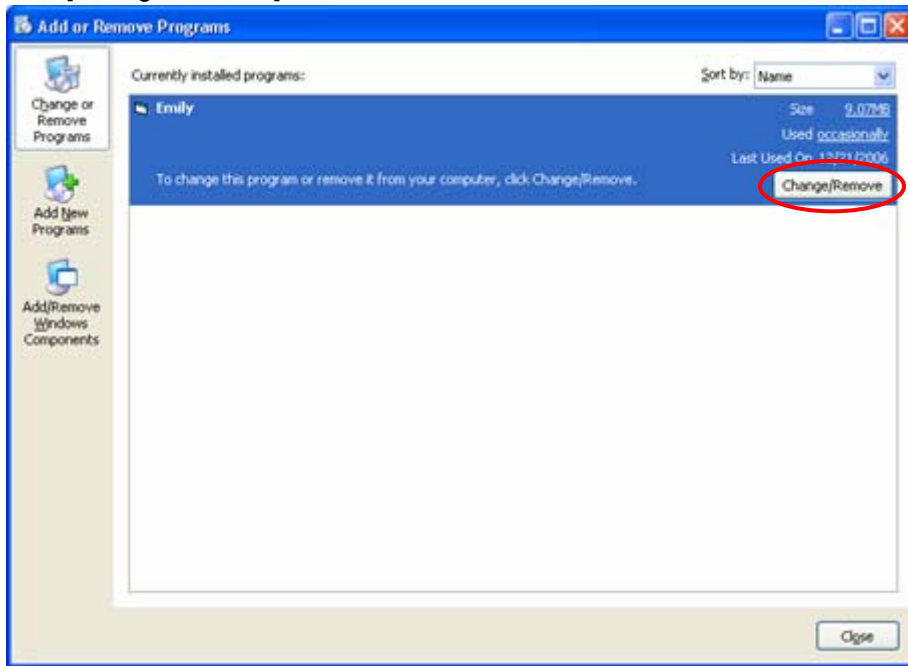
1.2.9. Emily program is running and searching for connected UPS.



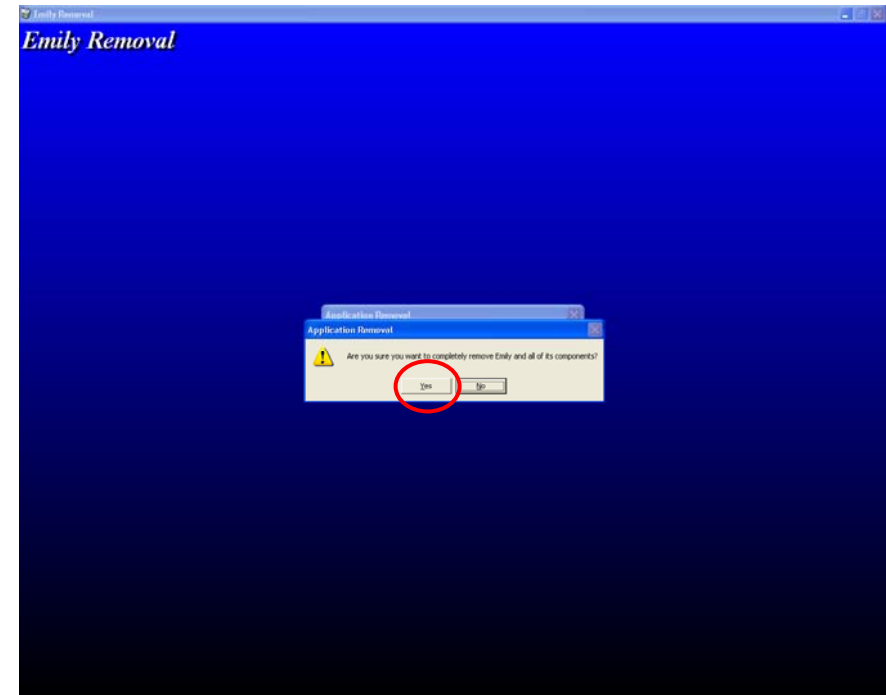
1.3. Instructions on Removing Emily Program from your Computer

1.3.1. Go to Windows Control Panel and select “Change or Remove Programs”.

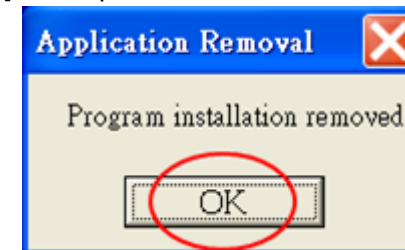
1.3.2. In the “Add or Remove Programs” page, select “Emily” and click on [Change/Remove].



1.3.3. In the display page as shown, click on [Yes] to confirm removal of the Emily program or click on [No] to cancel the removal.



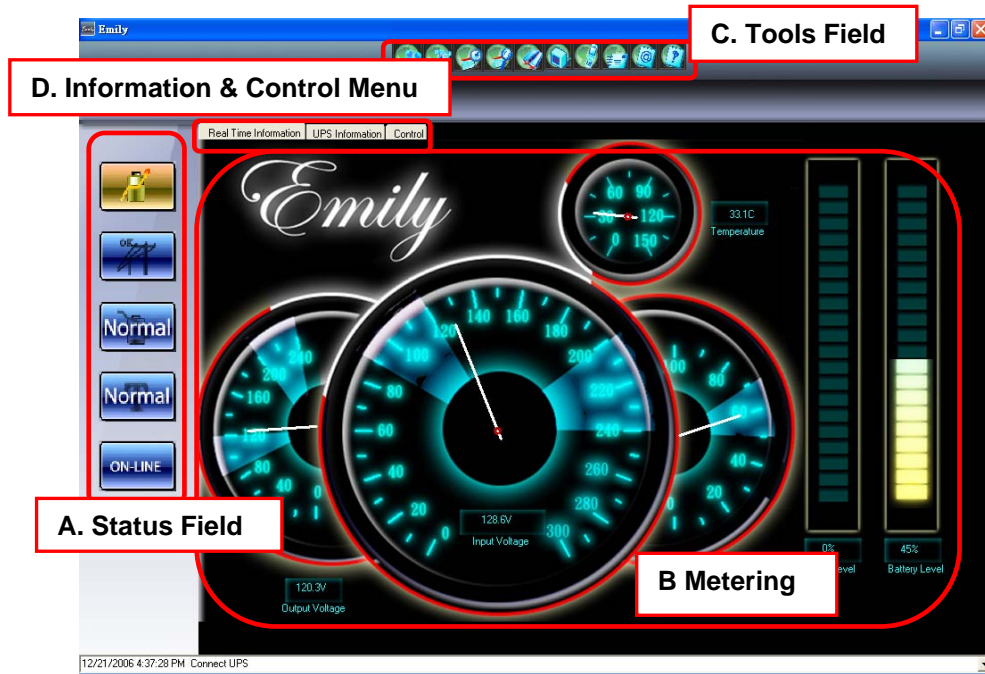
1.3.4. Click on [OK] to complete the removal.



2. Functional Descriptions

Emily program is a user friendly UPS monitoring program which enables communication between UPS & computer via USB or RS232 port. It provides easy to read real time metering of important UPS parameters such as input/output voltage, frequency, UPS temperature, loads & battery capacity. These UPS parameters & status information are recorded and presented in both graphical and numerical displays. Emily's "Schedule" function allow user to preset various UPS commands to perform repetition of tasks automatically. In event of Power outage or abnormality, Emily program is capable of automatically informing user via SMS & email instantly and perform unmanned saving of data and closes application software. The following chapters will provides detailed descriptions of these superior features provided by Emily program.

2.1. Real Time Information Monitoring Display







A. Status Field :

The Status Field provides an easy-to-read indication of the UPS various operating statuses. The functional descriptions of each Status Button will be display on the screen by moving the mouse cursor over it.

The table below provides the detailed descriptions of each Status Buttons.

Status Buttons	Graphic Display	Status Details	Remarks
1. UPS general operating Status Buttons		UPS running ok	
		No communication signal between UPS and computer	
		UPS charging Battery	
		UPS Over temperature	Applicable to ON-LINE UPS model only
		UPS Overload	
2. Utilities/Mains Status Buttons		Utilities/Mains Normal	
		Utilities/Mains failure	
3. UPS Battery Status Buttons		UPS Battery Normal	
		UPS Battery Low Voltage.	
4. UPS Self-test Status Buttons		Self-test normal/off	
		Self-test On	
		Battery failed/Faulty	








5. Different UPS Types Operating Status Buttons	 	These 2 status buttons are applicable to On-Line type of UPS only. The "ON-LINE" status button indicates that the UPS is supplying the loads with clean & treated power via its internal converters. The "BY-PASS" status button indicates that the loads are supply directly from raw Mains/Utilities.	These status buttons are not applicable when Mains/Utilities failed/Not available, and the UPS is supplying the loads via its battery power.
	 	These status buttons are for "Line-Interactive" type UPS with in built Automatic Voltage Regulation (AVR). The "OFF-LINE" status buttons indicates that the Utilities /Mains supply is within the acceptable Voltage tolerance. The 'AVR' status buttons indicates that the Utilities /Mains supply is over/under the acceptable Voltage tolerance and the UPS in built AVR is activated to stabilise the supply voltage.	


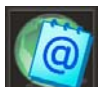
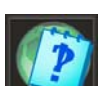
B. Metering :

The fluorescent Metering displays UPS input voltage, output voltage & frequency, loads rate in percentage (display max. up to 120%) and Battery capacity (display max. up to 100%).

C. Tools Field :

The Tool Field consists of 10 different Tools buttons as shown in the below table. The function of each tools button will be display by moving the mouse cursor over it. Double click on each Tools button to perform the respective functions.

Tools Buttons	Functions	Descriptions	Remarks
	Language Selections	The Emily program default language display will base on the computer current operating system setting. This tools button allow user to change the default language to other available languages.	
	System Configurations	Allow program parameters and connection settings.	
	Schedules	Provides calendar view for scheduling of to-do events and commands.	
	Event List	Provides a calendar view of a list of records of events, command entries, alarms, etc.	
	Data Bank	Stores the UPS operating parameters monitored & recorded by the Emily program.	
	Event Graphs	Graphical summer of the recorded UPS parameters data	
	SMS Settings	SMS alerting function set up.	

	E-mail Settings	E-mail alerting function set up	
	Web Register	Record the IP addresses that has log into the host computer running the Emily program.	
	About	Record the version number and proprietor name of the Emily program	

D. Information & Control Menu :

This Menu consists of 2 types of information display and 1 control selection :

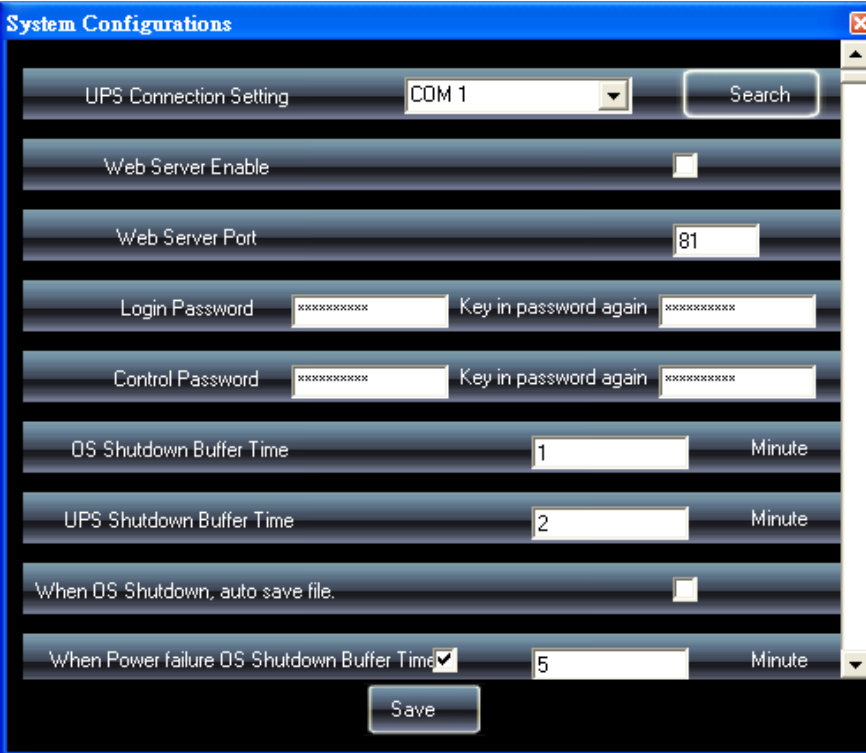
- **Real Time Monitoring Information** : Provides real time UPS operating parameters such as Voltage, Frequency & battery autonomy with easy to read metering display.
- **UPS Information** : Provides information of the connected UPS such as its rated voltage, rated current, model name, etc.
- **Control** : Provides command to UPS for self-test, shut-down, battery discharge test, stop test, etc.

2.2. Language Selections

The Emily program provides various major languages for user selection. On initial start up the program will automatically select the language similar to the computer operating system default language. If the default language is not supported by Emily, English will automatically be set as default.

2.3. System Configurations

The screen below shows the “System Configurations” page. This page allows user selection & setting of connecting Com port, preferred password, buffer time prior UPS or OS shutdown, etc.



2.3.1. UPS Connection setting – Click on the pull-down arrow to select the desire connecting com port to the computer. Click on “Search” the program will automatically identify the com port that is connected to the computer.



2.3.2. **Web Server Enable** - Emily program support remote monitoring of the connected UPS via Web Server. This function can be enabled by “ticking” the “Web Server Enable” box. Restart the computer to enable/disable the function after selection.



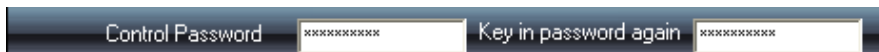
2.3.3. **Web Server Port** - To use the remote monitoring function via Web Server, the desire Web Server Port number is to be provided by user. Restart the computer to take effect the port number selected.



2.3.4. **Login Password** - The “Login Password” field allow user to select a desire password to prevent unauthorized entry to the UPS monitoring web page. The password can be either numeric or alphabets or combination of both, minimum 3 characters and is Case sensitive.



2.3.5. **Control Password** - The “Control Password” field provides a second level of protection against unauthorized tempting to the UPS control settings. The desire password can be either numeric or alphabets or combination of both, minimum 3 characters and is Case sensitive.



2.3.6. **Os Shutdown Buffer Time** - Emily program allows user to directly shutdown the Computer operating system gracefully during normal operation. The “OS Shutdown Buffer Time” field allows user selection of a desire buffer time after the “Shutdown OS” command is given (refer to 1.3D). The selectable time is from 1 min. to 99min. A timer will appear to countdown the remaining time before the OS is shutdown.



2.3.7. **UPS Shutdown Buffer Time** - Emily program allows user to directly shutdown the connected UPS during normal operation. The “UPS Shutdown Buffer time” allows user selection of a desire buffer time after the “Shutdown UPS” command is given (refer to 1.3D). The selectable time is from 1 min. to 99min. A timer will appear to countdown the remaining time before the UPS is shutdown.



2.3.8. **When OS Shutdown, auto save files** – Selecting this field enable the computer OS to save & close applications files prior to the complete OS shutdown. It is recommended to enabling this field permanently to prevent loss of data.



2.3.9. **When Power Failure OS Shutdown Buffer Time** – Select a desire time sufficient for the computer OS to automatically shutdown gracefully when a power outage occurred. The selectable time is from 1 min. to 99min.



2.3.10. **When Power Failure UPS Shutdown Buffer Time** – Select a desire time to automatically shutdown the UPS after a power outage occurred. It is recommended to select a longer buffer time then the OS shutdown buffer time. This will ensure sufficient delay for the OS to shutdown gracefully before UPS shutdown. The selectable time is from 1 min. to 99min.



2.3.11. **When Battery low OS Shutdown Buffer Time** – Select this field and input a desire time to automatically shutdown the computer OS before the UPS battery power become depleted. The selectable time is from 1 min. to 99min.



2.3.12. When Battery low UPS Shutdown Buffer Time – Select this field and input a desire time to automatically shutdown the UPS before the UPS battery power become depleted. It is recommended to select a longer buffer time then the OS shutdown buffer time. This will ensure sufficient delay for the OS to shutdown gracefully before UPS shutdown. The selectable time is from 1 min. to 99min.



2.3.13. Warning Message Pop-up Window – Select this field to enable a pop-up window to display warning messages during abnormal conditions.



2.3.14. Start Mode: When OS is Windows 2000 、2003 、XP, program will be started by service and show “Service” start . If OS doesn’t support service start, then will be started by normal and show “Normal” start.



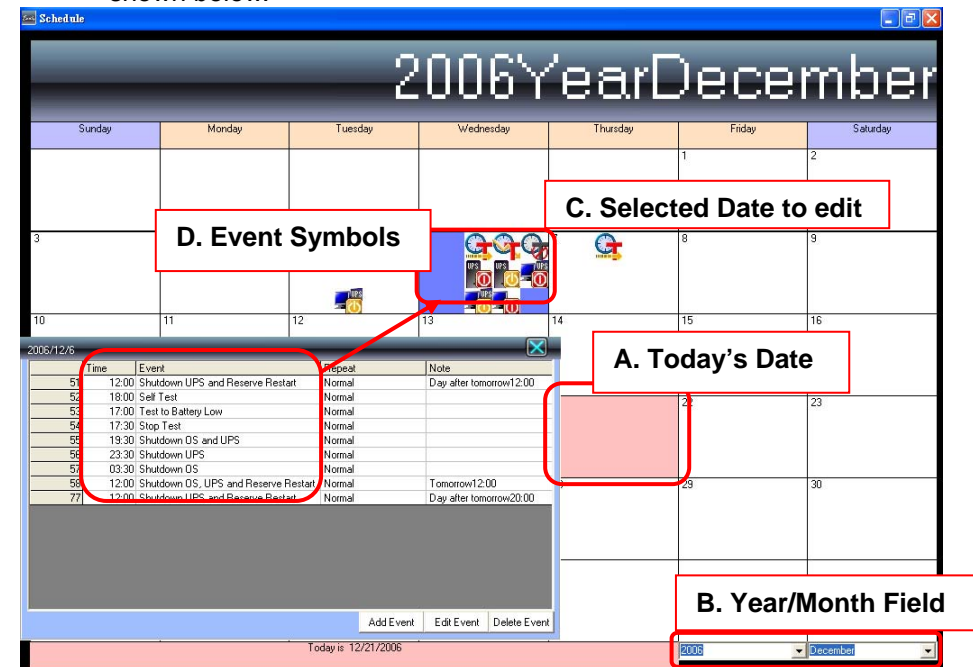
2.3.15. Temperature Scale Selections – Select to display the temperature readings in either Centigrade or Fahrenheit.



2.4. Schedules

Emily’s “Schedules” function allows user to create a desire routine to instruct the UPS to perform specific or repeatable tasks automatically at pre-determined dates & times. Please refer to the following instructions to create an entry :

2.4.1. Select a date to create or edit an event/task – On the “Tools” field of the “Real Time Information Monitoring Display” page, click on the “Schedule” Tool button. The calendar of the current month will display as shown below.



Time	Event	Repeat	Note
51	12:00 Shutdown UPS and Reserve Restart	Normal	Day after tomorrow12:00
52	18:00 Self Test	Normal	
53	17:00 Test to Battery Low	Normal	
54	17:30 Stop Test	Normal	
55	19:30 Shutdown OS and UPS	Normal	
56	23:30 Shutdown UPS	Normal	
57	03:30 Shutdown OS	Normal	
58	12:00 Shutdown OS, UPS and Reserve Restart	Normal	Tomorrow12:00
77	12:00 Shutdown UPS and Reserve Restart	Normal	Day after tomorrow20:00

A. Today's Date :

The current day date will be shaded in Pink on the calendar page. Click to add new event entries or to see a list of scheduled events.

B. Year/Month Field :









Select the desire Year & Month to be displayed.

C. Selected Date to Edit :

Click on any day in the calendar page to add new event entries or to edit existing entries. The selected date will appear in Blue shaded box. New & existing entries will be represented with Graphics Symbols.

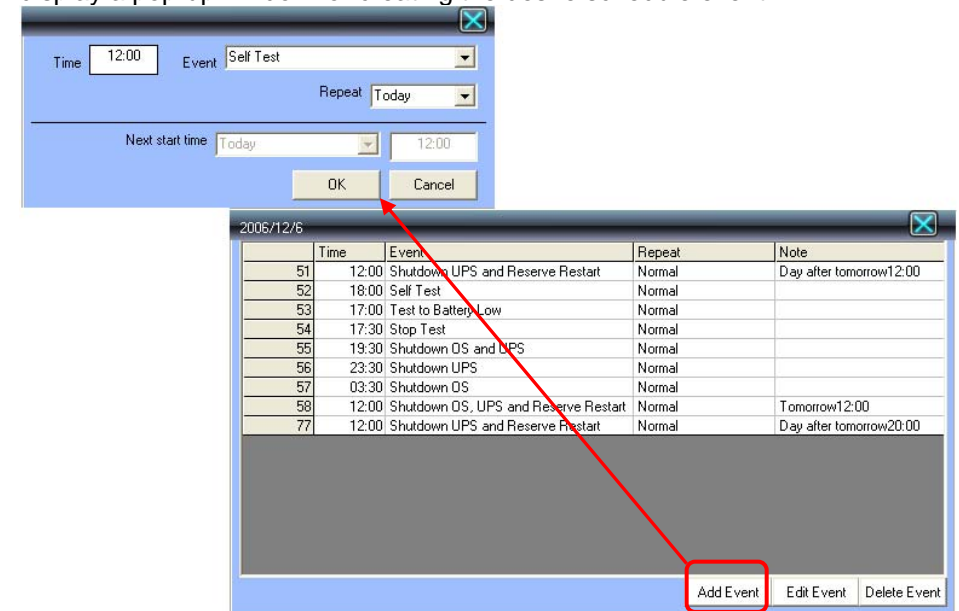
D. Events Symbols :

Move the mouse cursor to the Graphic Symbols and the respective tasks/events descriptions will be displayed. See below table for details.

Symbols	Descriptions	Remarks
	UPS Self Test	
	Battery Discharge test	
	Stop Testing	
	Scheduled UPS Auto Shutdown only	
	Scheduled Auto Shutdown & Re-start of UPS	
	Scheduled Computer OS & UPS Auto Shutdown.	
	Scheduled Computer OS & UPS Auto Shutdown & Re-start	
	Scheduled Computer OS Auto Shutdown only	

2.4.2. Add Event

Upon selecting the desire date to create a new entry, a list of schedulable event commands will be display as shown below. Click on the “Add Event” to display a pop-up window for creating the desire schedule event.



a. “Time” :

To select the desire time to execute the event (24hr format).

b. “Event” :

Consist of 8 different event commands. Use the scroll down arrow to view all these commands.

c. “Repeat” :

To select the event repetition. Choose to repeat the same event command once only (select “Today”), “Everyday”, every “week” or every “month”.

d. “Next Start Time” :

To select the desire numbers of days & times to auto restart either the Computer OS or UPS or both. This command is applicable only if the OS or UPS auto shutdown command has been selected previously. Take note that the selected “Next Start Time” must be greater than the UPS auto shutdown buffer time to avoid error message.

e. "OK" :

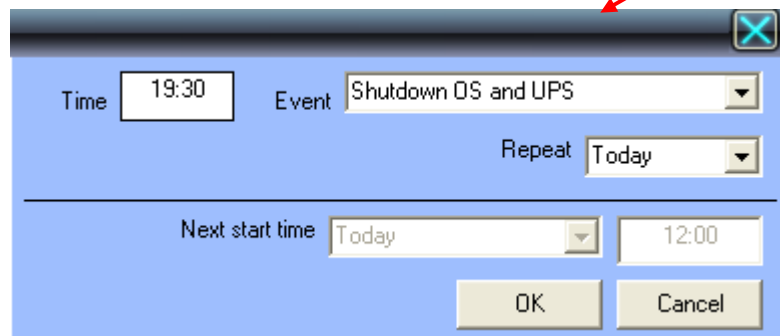
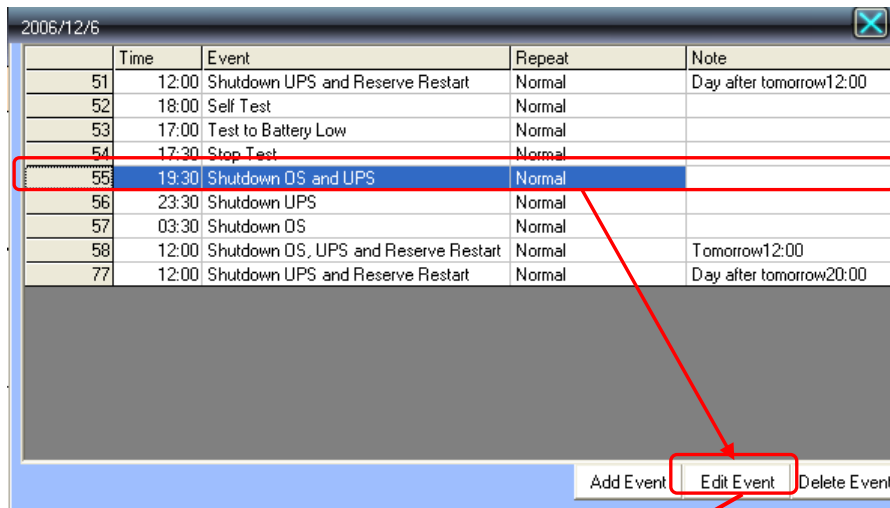
Click to confirm the entry.

f. "Cancel" :

Click to nullify the current entry.

2.4.3. Edit Event

To edit an existing event, click on that particular event in the event list. The selected event will turn Blue. Click on "Edit Event" to make changes or click on "Delete Event" to remove from the event list.



2.4.4. Delete Event

Click on the event to select the event that you wish to delete. Click on the "Delete Event" button to remove the event from the list. If the event is a repeating scheduled command, the program will prompt another window to display further details for more specific removal of the event as shown below.

a.All Repeat :

Remove this event and all its repeating schedules

b. Today :

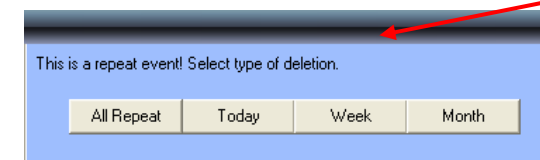
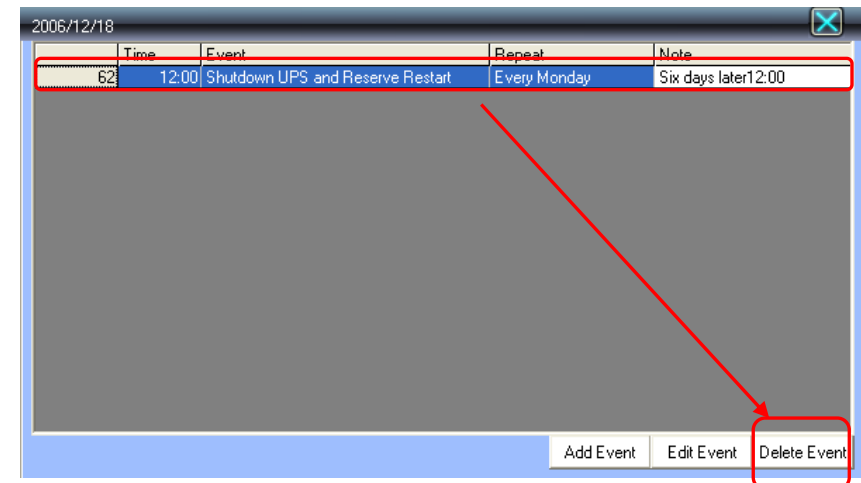
Remove only the current day command, all repeating schedules remain unchanged.

c.Week :

Remove only the current day command and its weekly repeating schedule, all other repeating schedules remains unchanged.

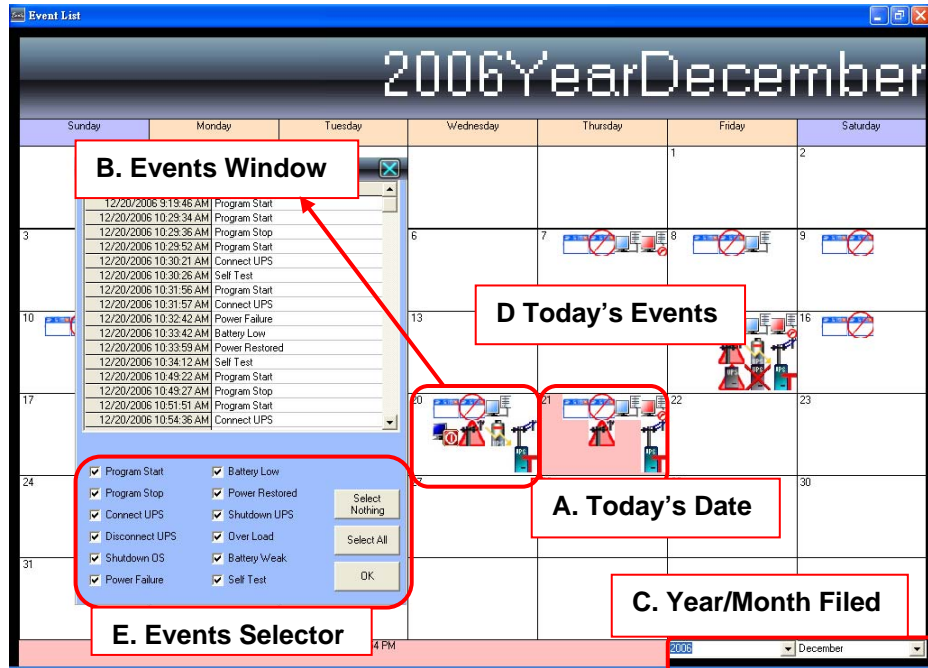
d. Month :

Remove only the current day command and its monthly schedule, all other repeating schedules remain unchanged.



2.5. Event List

The “Event Logs” function provides a list of records of all the events & tasks to be performed by the program and those that had occurred on each day of that particular month. It provides a summary of the Utilities conditions and UPS testing results. Click on the “Event List” tool button to display a calendar page as shown below.



A. Today's Date :

The current day date will be shaded in Pink on the calendar page.

B. Events Window :

Click on any desire date on the calendar page to activate a pop-up window displaying a list of recorded events.

C. Year/Month Field :

Select the desire Year & Month to be displayed.

D. Today's Event :

Graphic symbols display of the current day events. Descriptions of the event will be displayed when moving the mouse cursor over the symbols. Please refer to the below table for the detail descriptions.

Symbols	Descriptions	Remarks
	Program Start. This symbol represents when the Emily program started running.	
	Program Stop. This symbol represents when the Emily program stop running.	
	UPS connected. This symbol represent when the UPS is successfully connect to the Computer com port.	
	UPS disconnected. The connection between the UPS & the Computer is disrupted.	
	UPS self test. The UPS had performed an automatic self test or by a manual command.	
	Battery Faulty. The UPS battery is unable to provide the required back -up power.	
	UPS Overload. The connected load to the UPS exceeded the UPS rated capacity.	For On-Line UPS, the loads will be transfer to Bypass. For Line Interactive type, the UPS will shutdown.
	UPS Shutdown. The UPS is shutdown due to fault or by a manual or scheduled command.	
	Power Restored. The utility supply returns after a power outage.	
	Power Failure. The utility supply is absent or abnormal conditions.	
	Battery Low/Weak. The UPS battery is near to end of discharge or is at low power level.	
	Shutdown Os. The computer operating system has been shutdown by a manual or scheduled command.	

Note : The program records and stores all data & events up to the last 14 days only. Entries that are more than 14 days old will be automatically removed.

E. Events Selector :

The “Events Selector” allows user to decide the desire events to be recorded in the Event Logs. The events that are not selected with a “☒” will not be recorded.

2.6. Data Bank

The ‘Data Bank’ function stores the UPS operating parameters monitored & recorded by the Emily program. You can use the “Filter” tool button to streamline the recorded data for more effective study of the desire information. The information in the Data Bank can be exported to Excel application program.

A. Tools

B. Date/Entry No.

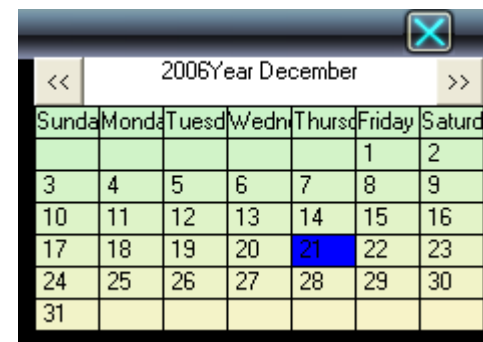
C. Data Field

Date	Time	Input Voltage	Output Voltage	Load Level	Frequency	Battery Level	Temperature
20061221	5:07:16 PM	127.7	120.3	0	60	45	
20061221	5:07:17 PM	127.7	120.3	0	60	45	
20061221	5:07:18 PM	127.7	120.3	0	60	45	
20061221	5:07:19 PM	127.7	120.3	0	60	45	
20061221	5:07:20 PM	127.7	120.3	0	60	45	
20061221	5:07:21 PM	127.7	120.3	0	60	45	
20061221	5:07:22 PM	127.7	120.3	0	60	45	
20061221	5:07:23 PM	127.7	120.3	0	60	45	
20061221	5:07:24 PM	127.7	120.3	0	60	45	
20061221	5:07:25 PM	127.7	120.3	0	60	45	
20061221	5:07:26 PM	127.7	120.3	0	60	45	
20061221	5:07:27 PM	127.7	120.3	0	60	45	
20061221	5:07:28 PM	127.7	120.3	0	60	45	
20061221	5:07:29 PM	127.7	120.3	0	60	45	
20061221	5:07:30 PM	127.7	120.3	0	59.9	45	
20061221	5:07:31 PM	127.7	120.3	0	59.9	45	
20061221	5:07:32 PM	127.7	120.3	0	59.9	45	
20061221	5:07:33 PM	127.7	120.3	0	60	45	
20061221	5:07:34 PM	127.7	120.3	0	60	45	
20061221	5:07:35 PM	128.6	120.3	0	60	45	
20061221	5:07:36 PM	128.6	120.3	0	59.9	45	
20061221	5:07:37 PM	128.6	120.3	0	59.9	45	

A. Tools :

a. Date :

Click to select the date to search & locate the recorded data. The selected date will be shaded in Blue on the calendar page.



b. Filter :

Click on the “Filter” tool button to streamline only the desire recorded date to be studied. The parameters available for filtering selections include the time of recording, input & output voltage, load level, frequency, battery level & temperature as shown in the below display page. Click on the arrow of the “Time” field to scroll and select a particular period of time in which the data are recorded. Only data that are within the selected period will be displayed. The other parameter fields require user to key in the desire values to set as the filtering criteria. If the parameter field is deliberately left blank, the [Don't Care] command will automatically appear in the field entry box and that particular field will not be consider as a filtering criteria.

c. Export :

Click to export the current filtered data into “CSV” format.

d. First :

Click to go to the first recorded entry.

e. Previous :

Click to go to the previous entry before the current one.

f. Next :

Click to go to the next entry after the current one.

g. Last :

Click to go to the last recorded entry.

h. Update :

Click to refresh the “Data Bank” to view the most recently updated data.

B. Date/Entry No. :

Display the date in Year/Month/Day format of the current data sheet shown, as well as the current data entry number selected in [Current Entry / Total Entry] format.

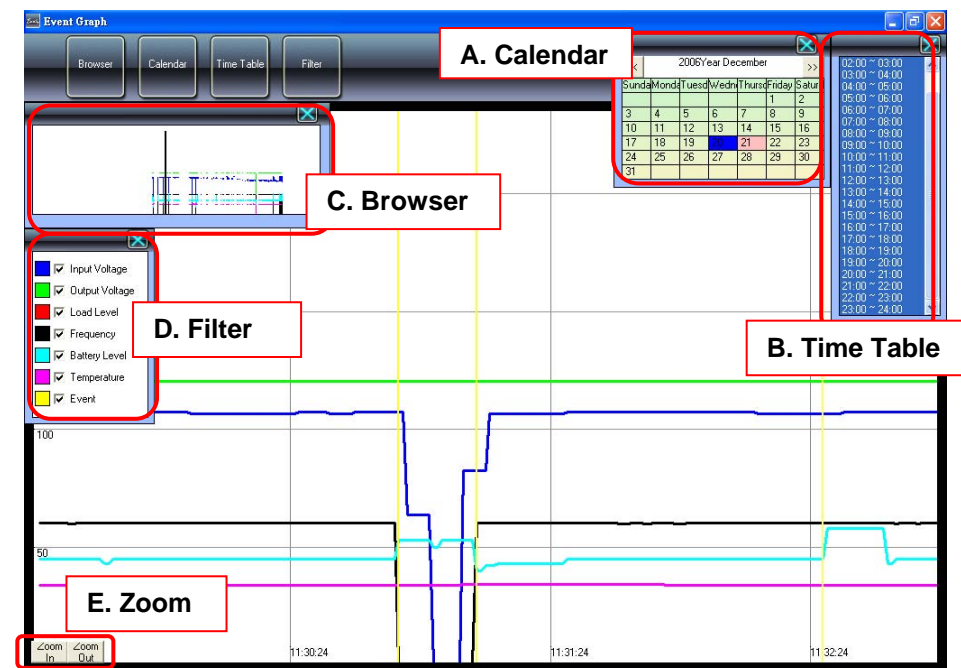
C. Data Field :

Display the recorded data entries.

Note : The program records and stores all data & events up to the last 14 days only. Entries that are more than 14 days old will be automatically removed.

2.7. Event Graphs

The “Event Graphs” functions provide a summarized report of the recorded UPS operating data. The recorded data are represented with Line curves to provide an easy to read summary of the Utility & UPS power quality. The recorded data details of each Line Curve will be display by simply moving the mouse cursor over any of the respective curve.



A. Calendar :

Click on the “Calendar” tool button and select the desire date to view the event graphs.

B. Time Table :

Click on the “Time Table” tool button to display a series of time frames. Click to choose a particular time frame or drag the mouse cursor to select multiple time frames for longer period. Only the portion of the line curves government by the select time frame will be display.

C. Browser :

The “Browser” window displays the overview of all the line curves within the selected date and the time frames. The Black coloured navigating frame in the Browser window represents the section of the line curves currently being displayed on the main window. Move the mouse cursor onto the navigating

frame, click & hold the left mouse button to enlarge or navigate the frame to display other sections of the line curves.

D. Filter :

Use the “Filter” tool button to select the parameters to be represented as line curves. Select or unselect the desire parameters by clicking on the respective parameter field box.

E. Zoom :

Click on “Zoom in” button to enlarge the main display window view of the line curves. Click on “Zoom out” to reduce the display window.

Notes: The program records and stores all data & events up to the last 14 days only. Entries that are more than 14 days old will be automatically removed.

2.8. SMS

The Emily program “SMS” function provides short message service via internet. An alert message of recorded event will be relayed to a predetermine mobile phone number through the server of a subscribed short message service provider.

A. Send Test

The screenshot shows the 'SMS' configuration window. It has a title bar with 'SMS' in red. Below the title bar, there are four main sections labeled with red boxes and white text:

- A. Send Test:** A button with a mobile phone icon and the text 'Send Test'.
- B. Account Setting:** A section containing fields for 'SMS Server' (with a dropdown menu showing 'http://www.clickatell.com/'), 'ID', 'api_id', 'Password', and 'Phone Number'.
- C. Event & Message Selections:** A table with two columns. The left column lists events, and the right column lists the corresponding SMS messages.
- D. Save Settings:** A button labeled 'Save'.

Event	SMS message
Program Stop	SMS message program stop
Connect UPS	SMS message UPS connect
Disconnect UPS	SMS message UPS disconnect
Shutdown OS	SMS message System shutdown
Power Failure	SMS message Power failure
Battery Low	SMS message Battery low
Power Restored	SMS message Power restored
Shutdown UPS	SMS message UPS shutdown
Battery Weak	SMS message Battery bad
Self Test	SMS message UPS test

This SMS function is only available through third-party Short Message Service Providers. To use this function you need to subscribe to the service with [every8d] and [clickatell]. These are currently the only 2 third-party SMS providers supported by Emily program. For more information on subscriptions and charges, please go to their respective website as follow:

- 1) For [Every8d] : Go to <http://www.every8d.com/>. Note: Please subscribe as “Corporate” account in order to be able to use with Emily program SMS function.
- 2) For [Clickatell] : Go to <http://www.clickatell.com/> Note: Payment has to be made to obtain a “api_id” before use.

A. Sent Test :

Click to send a test message to confirm the settings are correct.

B. Account Settings :

Key in the SMS provider name, ID, passwords, “api-id” (for Clickatell subscriber only) and mobile phone number (international dialing format, include “+” or “00” and country code).

C. Event & Message Selections :

Click to select the desire Events to be broadcasted and their respective message contents (You can change and retype the Message contents to meet your requirement. English only).

D. Save Setting :

Click [Save] to save & apply settings.

Note : Internet Firewall may not allow this SMS function. If you have installed Firewall please choose to allow this function.

2.9. E-Mail Settings

The Emily Program 'E-mailing' service provides another events broadcasting alternative other than its SMS function. Click on the "Email Setting" tool button on the main page to open the E-Mail Settings page as shown.

The screenshot shows the 'E-mail Settings' window. It has a title bar with 'E-mail S' and standard window controls. The window is divided into several sections. At the top left is a 'Send Test' button with an envelope icon. To its right is the 'Mail' logo. Below these are input fields for 'Mail Server Name', 'User Name' (set to 'Emily'), 'User E-mail' (with a dropdown), 'Receiver Name' (set to 'USER'), 'Mail to' (with a dropdown), and 'Subject' (set to 'HELLO'). Below the input fields is a table with columns 'Event', 'Enable', and 'Send Message'. The table lists various events like 'Program Start', 'Program Stop', 'Connect UPS', 'Disconnect UPS', 'Shutdown OS', 'Power Failure', 'Battery Low', 'Power Restored', 'Shutdown UPS', 'Battery Weak', and 'Self Test'. At the bottom right is a 'Save' button. Four red callout boxes with white text are overlaid on the image: 'A. Send Test' points to the 'Send Test' button; 'B. Account Settings' points to the input fields; 'C. Event & Message Selections' points to the table; and 'D. Save Settings' points to the 'Save' button.

Event	Enable	Send Message
Program Start		
Program Stop		
Connect UPS		mail message UPS connect
Disconnect UPS		mail message UPS disconnect
Shutdown OS		mail message System shutdown
Power Failure		mail message Power failure
Battery Low		mail message Battery low
Power Restored		mail message Power restored
Shutdown UPS		mail message UPS shutdown
Battery Weak		mail message Battery bad
Self Test		mail message UPS test

A. Sent Test :

Click to sent a test message to confirm the settings are correct.

B. Account Settings :

Key in the Mail Server name (or IP address), User Name (Sender, eg. Emily), User Email (select a sender email address specifically for this function), Receiver Name (select a predetermine email address the event messages will sent to) and Subject (select a subject name so that the receiver know is from Emily e-mailing function).

C. Event & Message Selections :

Click to select the desire Events to be broadcasted and their respective message contents (You can change and retype the Message contents to meet your requirement).

D. Save Setting :

Click [Save] to save & apply settings.

Note : Internet Firewall may not allow this E-Mailing function. If you have installed Firewall please choose to allow this function.

2.10. Web Register










The "Web Register" records all the IP address and dates which have log into the computer installed with Emily program. Click the "Web Register" tool button on the main page to view all records from the last 14 days. Records older than 14 days will be automatically removed.

2.11. About

Click to see the Emily software version number and proprietor name.

2.12. Operating Icons

Upon the computer start-up and Emily program running normally, there will be little icons appearing at the bottom right of the Windows page. Each of these icons represents the UPS current status. Place the mouse cursor over the icon to see the status details. Double left mouse click on the icon to open the Monitoring Display page, right mouse click to close and exit. The various icons are shown below :

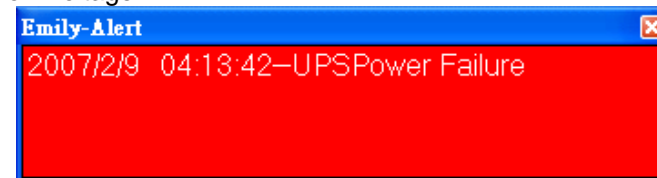
Icons	Status Details	Remarks
	UPS Running Ok	
	No communication signal between UPS and computer	
	UPS charging Battery	
	UPS Self Testing	
	UPS Over temperature	
	Battery faulty	
	UPS Overload	
	Utilities/Mains failure	
	UPS Battery Low Voltage	

2.13. Auto Shutdown & Auto Save

Emily's Auto Shutdown & Auto Save functions ensure no data will be lost during unmanned operation when UPS is on battery mode prior shutdown. The Emily program will automatically save and close running applications, shutdown the OS gracefully within the programmable buffer time (see System Configuration) before the UPS is being shutdown due to low battery power. The following Pop-up windows will appear when Auto Shutdown & Auto Save functions are activated.

A. Warning Message :

A Pop-up warning message will be displayed during power outage and battery low voltage.



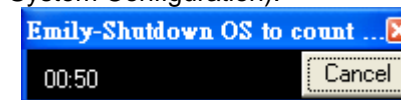
B. UPS Shutdown Counter :

This Pop-up counter display the remaining time Emily program will automatically shutdown the UPS during power outage and UPS battery power is running low. This buffer time is user settable (see System Configuration). Note: The countdown time is for reference only, actual remaining time prior shutdown is determine by the UPS internal timing circuit.



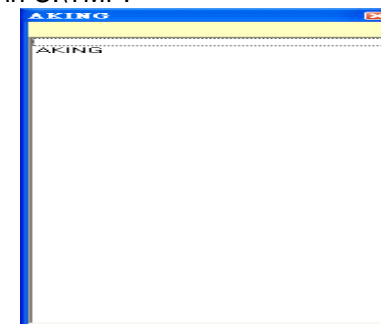
C. Os Shutdown Counter :

This Pop-up counter display the remaining time before Emily program "Os Auto Shutdown" functions is activated. The Emily program will request the OS to automatically shutdown once the counter reaches zero. This buffer time is user settable (see System Configuration).



D. Auto Save :

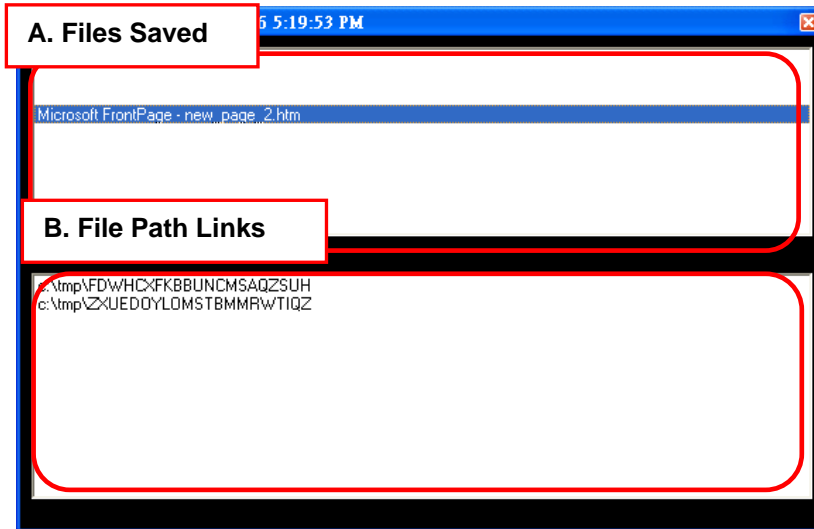
The Auto Save function will be activated when the OS Shutdown counter reaches below 120 second. All currently running applications & data will be automatically save in C:\TMP.



Note : The Auto Save function uses artificial intelligence to mimic Microsoft Windows shutdown methods. It is capable of auto shutdown most Windows base applications but cannot guarantee to work with every available program.

2.14. Auto Save File Lists

The Auto Save File Lists will be automatically displayed each time the OS restart.



A. Files Saved :

This window displays all the name of files being auto save by the program. Click on the file name and the File path will be shown in the below window. But if not show file path, it show that it will be saved by original path. You can open it via original path.

B. File Path Links :

The file path enable the OS to automatically locate and open the saved file when click on the file name. You can also locate the saved file in C:\TMP.

3. Remote Monitoring & Control via Internet

Emily program can be configured as virtual web server allowing user to monitor & control the UPS remotely via internet at any computer terminal that is not install with the Emily program. The remote access to your Emily's home page is password protected utilizing "MD5" verification method to reduce the risk of password hacking.

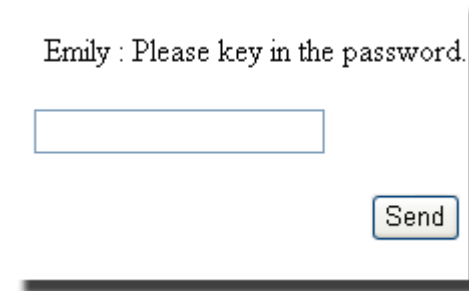
To use this remote monitoring function, first go to the host computer's Emily program "System Configuration" page (see page 12, chapter 2.3). Enable the "web server" function and type in the 'web server' port number of the host computer. You can obtain the port number as well as the assigned web server IP address from the Web Registry window (see page 32, chapter 3.10). You can then activate the Internet explorer at any remote computer terminal and enter the web server IP address to log onto the Emily's program home page.

Emily program security function will automatically log out the user from its home page if the page is left idle for more than 30 minutes.

Note : Internet Firewall may not allow this remote monitoring function. If you have installed Firewall please choose to allow this function.

3.1. Access Via Internet Explorer

Once you have successfully log onto the Emily home page remotely, Emily will prompt you to enter your password. The default password is [123]. To change password go to host computer Emily program "System Configuration" page and enter your desire password.

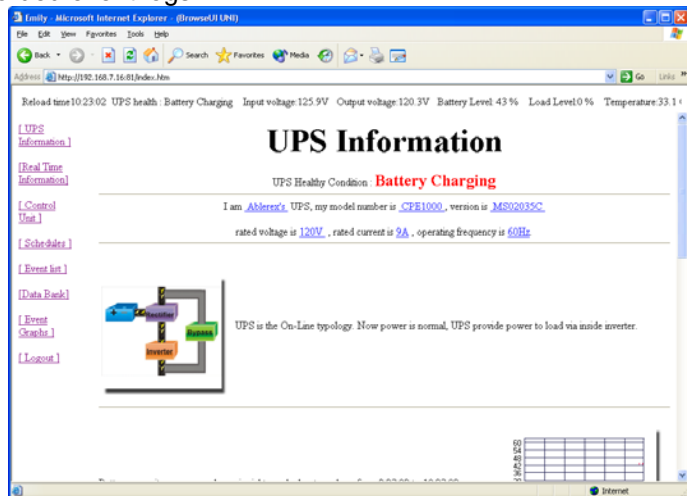


3.2. Automatic Real Time Status update

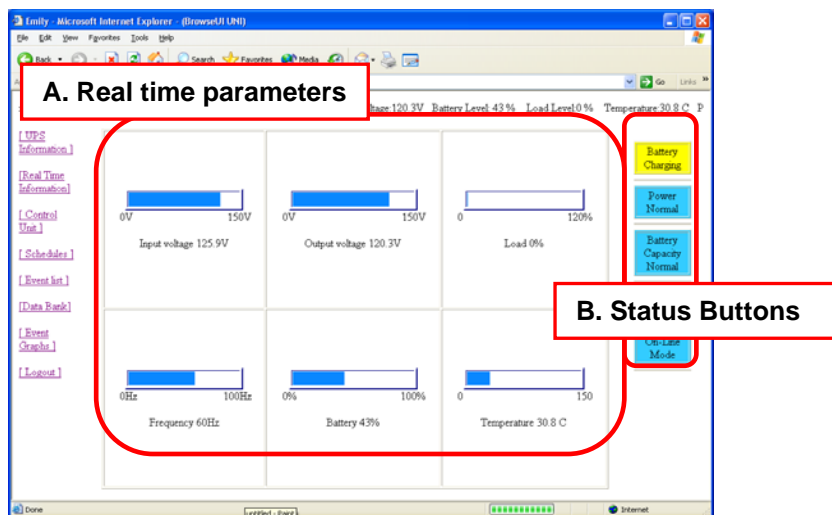
The Emily program home page will refresh and update the monitoring status every 30 seconds.

3.3. UPS Information

The Emily remote monitoring & control home page is as shown below. It displays the last 1 hour UPS information consisting of UPS real time operating parameters, the battery voltage line curves, UPS temperature line curves and the latest 5 recorded event logs.



3.4. Real Time Information



A. Real Time parameters :

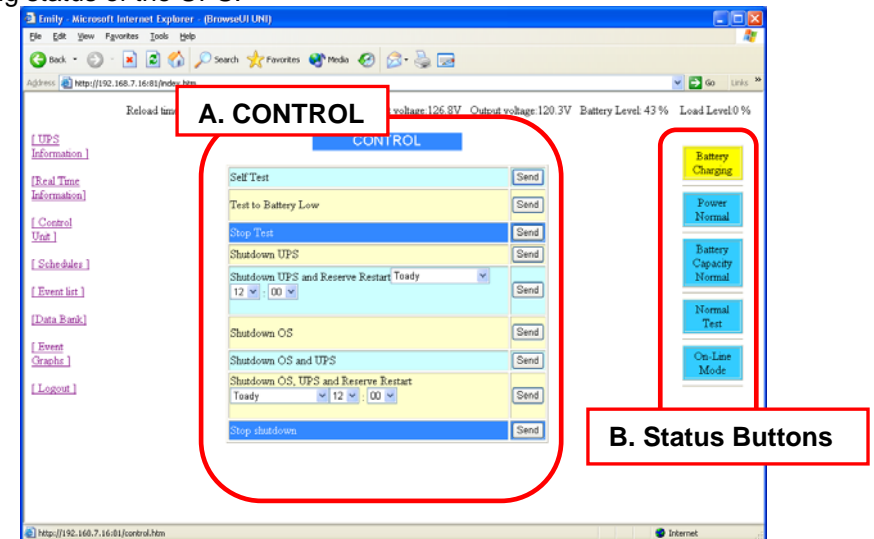
Provides real time UPS operating parameters such as Voltage, Frequency & battery autonomy with easy to read metering display. The information is updated every 2 second.

B. Status Buttons :

Displays the UPS various operating status. The buttons appear in blue when normal or appear in red to indicate abnormal conditions.

3.5. Control

Click on the [CONTROL] button on the left of the home page to access onto the [CONTROL] page as shown. The various settings of the UPS can be altered remotely using this page. The Status Buttons on the right help to indicate the operating status of the UPS.



A. Real Time parameters :

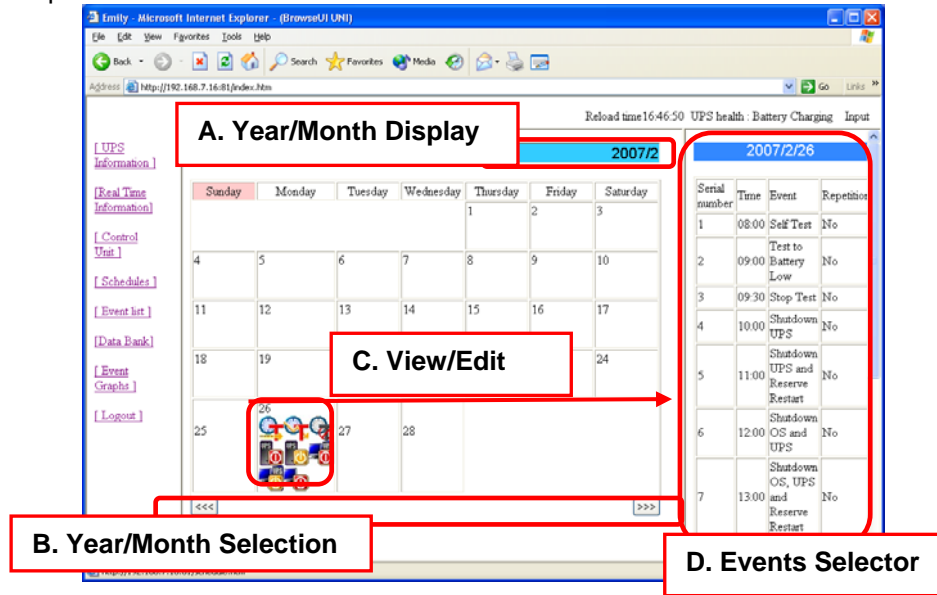
The access to altering the various UPS control functions is password protected. The password can be preset at the "System Configuration" page. The default password is [qwe].

B. Status Buttons :

Displays the UPS various operating status. The buttons appear in blue when normal conditions or appear in red to indicate abnormal conditions.

3.6. Schedules

The [Schedule] function of the remote web monitoring is display as shown. All scheduled events information is connected and similar to the entries of the host computer.



A. Year/Month Display :

Display the month and year of the current calendar page.

B. Year/Month Selection :

Click [<<<] to display previous month calendar, click [>>>] to display next month calendar.

C. View/Edit :

Click on any date on the calendar to view and edit entries. The Events Selector will appear to display the events descriptions.

D. Events Selector :

Display the current day event entries. Move the mouse cursor over the respective symbols to display its descriptions.

Symbols	Descriptions	Remarks
	UPS Self Test	
	Battery Discharge test	
	Stop Testing	
	Scheduled UPS Auto Shutdown only	

	Scheduled Auto Shutdown & Re-start of UPS	
	Scheduled Computer OS & UPS Auto Shutdown	
	Scheduled Computer OS & UPS Auto Shutdown & Re-start	
	Scheduled Computer OS Auto Shutdown only	

3.6.1. Add Event :

Click on the desire date on the calendar page to add a new entry. The add entry page will be displayed as follow :

a. Time :

Scroll to select the desire time to execute the event command (24hrs format).

b. Event :

Scroll to select from the 8 event commands.

c. Repetition :

Scroll to select to repeat the same event command once only (select "Today"), "Everyday", every "week" or every "month".

d. Restart Time :

To select the desire numbers of days & times to auto restart either the Computer OS or UPS or both. This command is applicable only if the OS or UPS auto shutdown command has been selected previously. Take note that the selected “Next Start Time” must be greater than the UPS auto shutdown buffer time to avoid error message.

e.Add :

Click to confirm the entry.

f. Reset :

Reset all set.

3.6.2. Delete Event :

Serial number	Time	Event	Repetition	Note	Delete
1	05:00	Test to Battery Low	Normal		Today
2	07:00	Self Test	Normal		Today
3	18:00	Shutdown UPS	Normal		Today
4	19:00	Stop Test	Normal		Today
5	12:00	Shutdown OS, UPS and Reserve Restart	Normal	Today12:00	Today
6	12:00	Shutdown UPS and Reserve Restart	Normal	Today12:00	Today

Click on the desire date to select the events that you wish to delete. A table showing the event commands and their repetition will be displayed as shown above. Click on the respective event you wish to delete.

a.All Repeat :

Remove this event and all its repeating schedules.

b. Today :

Remove only the current day command, all repeating schedules remain unchanged.

c.Week :

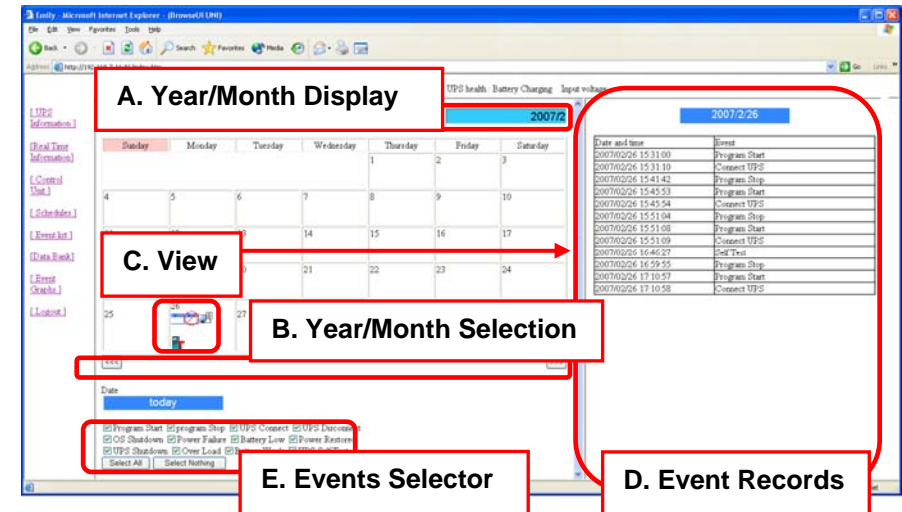
Remove only the current day command and its weekly repeating schedule, all other repeating schedules remains unchanged.

d. Month :

Remove only the current day command and its monthly schedule, all other repeating schedules remain unchanged.

3.7. Event List

The “Event List” function provides a list of records of all the events & tasks to be performed by the program and those that had occurred on each day of that particular month. It provides a summary of the Utilities conditions and UPS testing results. Click on the “Event List” tool button to display a calendar page as shown below :












A. Year/Month Display :

Display the month and year of the current calendar page.

B. Year/Month Selection :

Click [<<<] to display previous month calendar, click [>>>] to display next month calendar. Events that have occurred will be recorded and represented by the respective events symbol displayed on the calendar dates. Move the mouse cursor over each symbol and its descriptions will be displayed. You can refer to the below table for reference.

Symbols	Descriptions	Remarks
	Program Start. This symbol represents when the Emily program started running.	
	Program Stop. This symbol represents when the Emily program stop running.	
	UPS connected. This symbol represent when the UPS is successfully connect to the Computer com port.	

	UPS disconnected. The connection between the UPS & the Computer is disrupted.	
	UPS self test. The UPS had performed a automatic self test or by a manual command.	
	Battery Faulty. The UPS battery is unable to provide the require back up power.	
	UPS Overload. The connected load to the UPS exceeded the UPS rated capacity.	For On-Line UPS, the loads will be transfer to Bypass. For Line Interactive type, the UPS will shutdown.
	UPS Shutdown. The UPS is shutdown due to fault or by a manual or scheduled command	
	Power Restored. The utility supply returns after a power outage.	
	Power Failure. The utility supply is absent or abnormal conditions.	
	Battery Low/Weak. The UPS battery is near to end of discharge or is at low power level.	
	Shutdown Os. The computer operating system has been shutdown by a manual or scheduled command.	

C. View/Edit :

Click on any date on the calendar page to view or edit event entries.

D. Event Records :

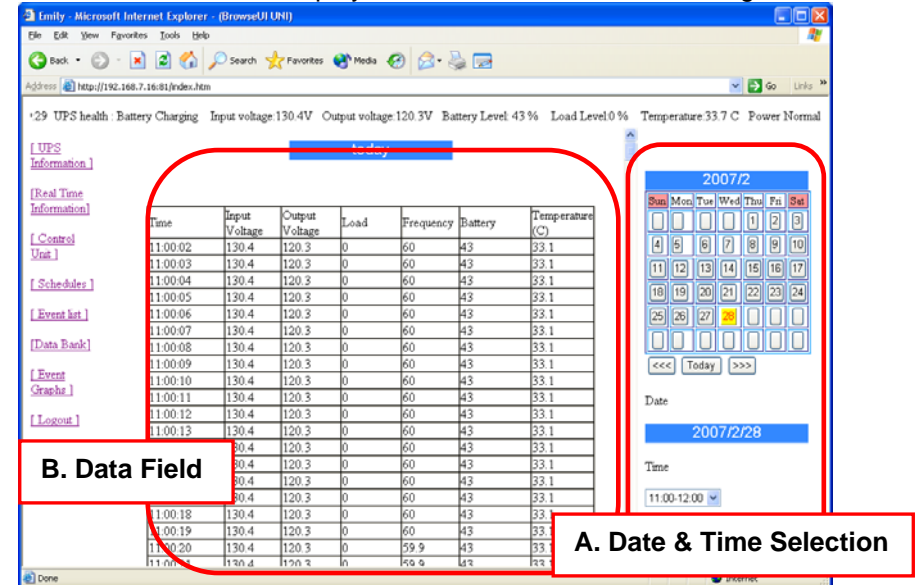
The 'Event Records' window is displayed once you left mouse click on a particular date. A list of recorded events and their respective time of occurrence will be displayed.

E. Events Selector :

Select the respective events command to be recorded and listed by the Event Records. Un-tick the event you do not wish to be recorded.

3.8. Data Bank

The "Data Bank" page of the remote web monitoring is connected to the Emily program's Data Bank of the host computer. The information from the host computer will be shared and displayed on the remote web monitoring Data bank.



The screenshot shows the Emily web monitoring interface. The main content area displays a table of UPS data entries. The table has the following columns: Time, Input Voltage, Output Voltage, Load, Frequency, Battery, and Temperature. The data entries are as follows:

Time	Input Voltage	Output Voltage	Load	Frequency	Battery	Temperature
11:00:02	130.4	120.3	0	60	43	33.1
11:00:03	130.4	120.3	0	60	43	33.1
11:00:04	130.4	120.3	0	60	43	33.1
11:00:05	130.4	120.3	0	60	43	33.1
11:00:06	130.4	120.3	0	60	43	33.1
11:00:07	130.4	120.3	0	60	43	33.1
11:00:08	130.4	120.3	0	60	43	33.1
11:00:09	130.4	120.3	0	60	43	33.1
11:00:10	130.4	120.3	0	60	43	33.1
11:00:11	130.4	120.3	0	60	43	33.1
11:00:12	130.4	120.3	0	60	43	33.1
11:00:13	130.4	120.3	0	60	43	33.1
11:00:14	130.4	120.3	0	60	43	33.1
11:00:15	130.4	120.3	0	60	43	33.1
11:00:16	130.4	120.3	0	60	43	33.1
11:00:17	130.4	120.3	0	60	43	33.1
11:00:18	130.4	120.3	0	60	43	33.1
11:00:19	130.4	120.3	0	60	43	33.1
11:00:20	130.4	120.3	0	59.9	43	33.1
11:00:21	130.4	120.3	0	59.9	43	33.1
11:00:22	130.4	120.3	0	59.9	43	33.1
11:00:23	130.4	120.3	0	59.9	43	33.1
11:00:24	130.4	120.3	0	59.9	43	33.1
11:00:25	130.4	120.3	0	59.9	43	33.1
11:00:26	130.4	120.3	0	59.9	43	33.1
11:00:27	130.4	120.3	0	59.9	43	33.1
11:00:28	130.4	120.3	0	59.9	43	33.1
11:00:29	130.4	120.3	0	59.9	43	33.1
11:00:30	130.4	120.3	0	59.9	43	33.1
11:00:31	130.4	120.3	0	59.9	43	33.1
11:00:32	130.4	120.3	0	59.9	43	33.1
11:00:33	130.4	120.3	0	59.9	43	33.1
11:00:34	130.4	120.3	0	59.9	43	33.1
11:00:35	130.4	120.3	0	59.9	43	33.1
11:00:36	130.4	120.3	0	59.9	43	33.1
11:00:37	130.4	120.3	0	59.9	43	33.1
11:00:38	130.4	120.3	0	59.9	43	33.1
11:00:39	130.4	120.3	0	59.9	43	33.1
11:00:40	130.4	120.3	0	59.9	43	33.1
11:00:41	130.4	120.3	0	59.9	43	33.1
11:00:42	130.4	120.3	0	59.9	43	33.1
11:00:43	130.4	120.3	0	59.9	43	33.1
11:00:44	130.4	120.3	0	59.9	43	33.1
11:00:45	130.4	120.3	0	59.9	43	33.1
11:00:46	130.4	120.3	0	59.9	43	33.1
11:00:47	130.4	120.3	0	59.9	43	33.1
11:00:48	130.4	120.3	0	59.9	43	33.1
11:00:49	130.4	120.3	0	59.9	43	33.1
11:00:50	130.4	120.3	0	59.9	43	33.1
11:00:51	130.4	120.3	0	59.9	43	33.1
11:00:52	130.4	120.3	0	59.9	43	33.1
11:00:53	130.4	120.3	0	59.9	43	33.1
11:00:54	130.4	120.3	0	59.9	43	33.1
11:00:55	130.4	120.3	0	59.9	43	33.1
11:00:56	130.4	120.3	0	59.9	43	33.1
11:00:57	130.4	120.3	0	59.9	43	33.1
11:00:58	130.4	120.3	0	59.9	43	33.1
11:00:59	130.4	120.3	0	59.9	43	33.1
11:01:00	130.4	120.3	0	59.9	43	33.1

The interface also includes a calendar for date selection and a time selector. The 'Data Field' is highlighted in red, and the 'Date & Time Selection' area is also highlighted in red.

A. Date & Time Selection :

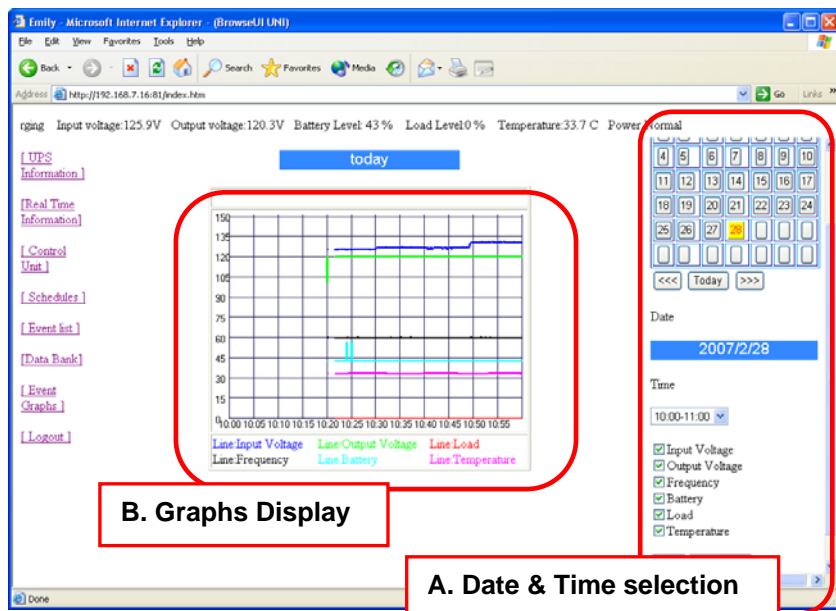
Select the desire date & time of the data recorded. The Emily program of the host computer will relay updated data to show on the "Data Field".

B. Data Field :

Display the recorded UPS data entries.

3.9. Event Graph

The "Event Graph" function provides a graphical summary of the UPS operating parameters. The information is updated & relayed by the host computer's Event Graph function.



A. Date & Time Selection :

Select the date & time of the recorded line graphs. The UPS parameters to be represented by the line graphs to be displayed are selectable.

B. Graphs Display :

All graphs representing the UPS parameter within the selected period are display here.

3.10. Log Out

When click on the “Log Out” button on the remote web monitoring page, the program will display the pop-up window as shown below. Please key in the password, if you wish to log in again to the home page.

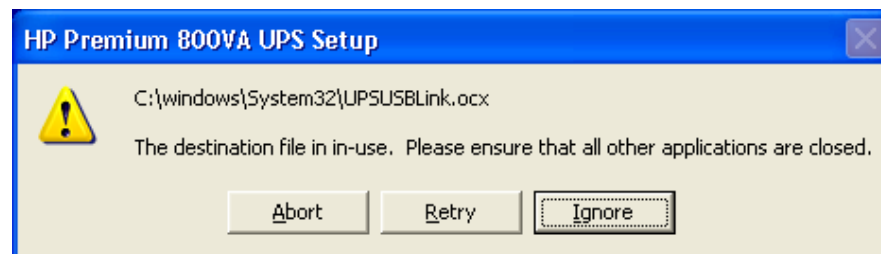
Emily : Please key in the password.

Send

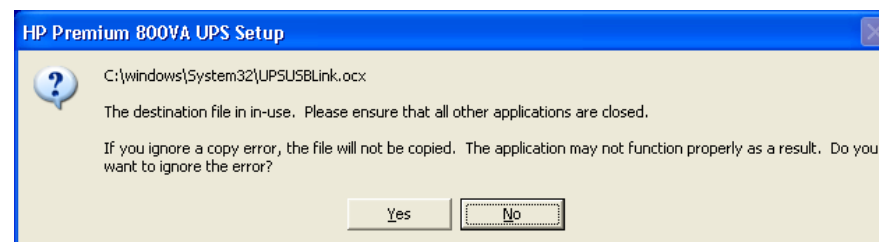
4. Installation Troubleshooting

4.1. Problem1

Warning message as below, use ALT+TAB switch program to close other program, re-install program or restart system and install again.

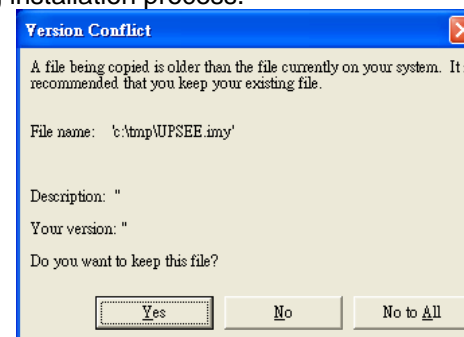


Or click ignore, do not install this program and warning message will show as below, click yes to install.



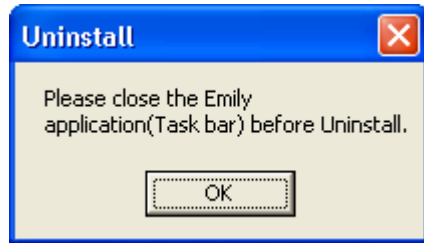
4.2. Problem2

Warning message as below, It shows program has exist at computer, click (YES) to keep this program or (NO) to install new program, click No to all to install new program during installation process.



4.3. Problem when Uninstall

The below window will be prompted if Emily or its related applications is still running while uninstalling. Please click [OK] to close all Emily program files to continue uninstall command.



4.4. Problem when start service

When your OS is Windows2000/2003/XP, What way from normal start mode forward service start mode?

- A. Restart the OS, if it still is normal start model, please do B continues.
- B. Whether Emily will be added into service. Please login the file server as a supervisor. Click the mouse's right key and click my computer and click manage.



Click "service" and check whether Emily or Emily Service is present. If it is present, first please close right-bottom corner Emily.exe. And then place "service" click the mouse right key and click start. If it isn't present, mean it is

fail. Please remove Emily and restart OS. And then please login the file server as a supervisor and install Emily software again.

