Emily2 User Manual

For
Microsoft Windows XP
Microsoft Windows Vista
Microsoft Windows 7
Microsoft Windows 8
Microsoft Windows 10
Microsoft Windows Server 2003
Microsoft Windows Server 2008
Microsoft Windows Server 2012
Microsoft Windows Server 2016
Microsoft Windows Server 2019
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1. **Installation Instructions**

1.1 **System requirements**

- Peripherals: RS-232 or USB

1.2 **Install Emily2**

Step 1. Please login as an Administrator.

Step 2. Double click “Setup.msi” to Install the Emily2.

Step 3. Click “Next” to the next step.
Step 4. Click “Browse”, if user wants to change the installing directory. Otherwise, click “Next” to next step.

Step 5. Click “Next” to next step.
Step 6. Installing Emily2 program.

Step 7. Click “Close” to finish the installation.
1.3 Uninstall Emily2

Remove Emily2
Step1. Go to Settings from your computer and select “Apps & features”.
Step2. Select “Emily2” and click “Uninstall” as the following picture.

Step3. Click “Uninstall” to confirm removing the Emily2.
Step4. Emily2 icon will disappear in the “Apps & feature” page after uninstall process uninstall.
2. Function Descriptions

A. UPS real-time information and status: Detail in section 2.1

B. UPS rating and information display area: Detail in section 2.2

C. Function selection area: Detail in section 2.3
2.1 Real-Time Information

Please refer below section for Flow Format Page & Meter Format Page.

- Input Voltage of UPS
- Output Voltage of UPS
- Input Frequency of UPS
- Load level of UPS
- UPS status
- Power Flow Format Page & Meter Format Page

Power Flow page:

※ Symbols Description

<table>
<thead>
<tr>
<th>Item</th>
<th>Symbols</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td><img src="image1" alt="Boost Icon" /></td>
<td>Boost</td>
</tr>
<tr>
<td>2</td>
<td><img src="image2" alt="Buck Icon" /></td>
<td>Buck</td>
</tr>
<tr>
<td>3</td>
<td><img src="image3" alt="UPS Overloading Icon" /></td>
<td>UPS Overloading</td>
</tr>
<tr>
<td>4</td>
<td><img src="image4" alt="Battery Abnormal Icon" /></td>
<td>Battery Abnormal</td>
</tr>
<tr>
<td>5</td>
<td><img src="image5" alt="Battery Normal Icon" /></td>
<td>Battery Normal</td>
</tr>
<tr>
<td></td>
<td><img src="image6" alt="Battery Low Icon" /></td>
<td>Battery Low</td>
</tr>
</tbody>
</table>
**Symbols Description**

<table>
<thead>
<tr>
<th>Item</th>
<th>Symbols</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>![Computer icon]</td>
<td>UPS is connected successfully to the computer</td>
</tr>
<tr>
<td></td>
<td>![Error icon]</td>
<td>The connection between the UPS &amp; the Computer is disrupted</td>
</tr>
<tr>
<td>2</td>
<td>![Power icon]</td>
<td>Utility Power Normal</td>
</tr>
<tr>
<td></td>
<td>![Warning icon]</td>
<td>The utility power is absent or abnormal conditions</td>
</tr>
<tr>
<td>3</td>
<td>![Battery icon]</td>
<td>Battery Level Normal</td>
</tr>
<tr>
<td></td>
<td>![Battery low icon]</td>
<td>Battery Low. The UPS battery is near to end of discharge or is</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>---</td>
<td>---</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>at low power level (2 Icon swap)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>UPS Battery Abnormal</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>ON Line Model</td>
<td></td>
</tr>
<tr>
<td></td>
<td>OFF Line Model</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>Under self test</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Bypass mode (2 Icon swap)</td>
<td></td>
</tr>
</tbody>
</table>
2.2 UPS Rating and Information

Rating Information

Provides rating of UPS such as:
- Rating Voltage
- Rating Current
- Battery Voltage
- Frequency

Machine Information

Provides information of UPS such as:
- Manufacturer
- UPS Model
- Firmware Version
2.3 Function selection

This chapter will introduce how to use or configure for those specific function “Control”, “General Setting”, “E-mail”, “Data Log”, “Event Log”, “Scheduling”, “Oscillograph” and “About”.

2.3.1 Control

Command UPS directly for the following test.

- UPS Self-Test
- UPS Self-Test Test to battery low
- Cancel UPS Self-Test

2.3.2 General Settings

Allows user to select and set the connecting RS-232/USB or Remote, set to Data Log function and set to turn of UPS or OS condition etc.

2.3.2.1 Choose the Protocol.

Standard: for RS-232 or USB

Please refer to 2.3.2.5 for detail if choose the Remote.

2.3.2.2 Setting Communication Interface

- Communication Interface: USB / RS232
- Baud Rate: 2400bps/4800bps/9600bps
- Com Port: COM1~COMX
2.3.2.3 Log Record setting

- Enable the Data Log Record function
  
  ![Data Log Record](image)

- Set Record timer interval
- Set data storage count of record list

2.3.2.4 Data retention setting

The time of data stored in a database can set by the user. If the value is “0”, it means database will never be deleted.

![Days of data retention](image)

2.3.2.5 Remote Setting

The "Connect Remote Machine" is for connecting the Emily2, which installed on another computer, and the IP address should be the master PC, which connected UPS.

![Remote Setting](image)

Note:
With “Connect Remote Machine” you cannot send commands like Scheduling or UPS turn off.

2.3.2.6 Unfinished APP log

If auto saving function is set, the Emily2 will display the closed record after restart.

![Unfinished Log](image)

2.3.2.7 Optional command

Set the file to be executed before the system shutdown. The selectable time is from 0 min. to 2880 min.
2.3.2.8 When Power Failure, OS Shutdown Warning Time
   Set the Warning Time for system shutdown operation after Power Failure. The selectable time is from 0 min. to 2880 min.

2.3.2.9 When Battery Low, OS Shutdown Warning Time
   Set the Warning Time for system shutdown operation after Battery Low. The selectable time is from 0 min. to 2880 min.

2.3.2.10 When Battery Capacity less than or equal the setting level, OS Shutdown Warning Time
   Set the Warning Time for system shutdown operation after Battery Low. The selectable time is from 0 min. to 2880 min. The selectable battery Capacity is from 0% to 90%.

2.3.2.11 Turn off UPS, UPS Output Shutdown Delay After warning Time time
   Set time interval from Windows shutdown to UPS turn-off. The selectable time is from 0.2 min. to 99 min.
2.3.3 E-Mail Configuration

Configure to send the event message (e.g. AC Power Fail) to specific one by E-mail. The following section is for the detail configuration approach.

A. Email Test:
Click to send a test message to confirm the settings are correct.

B. Account Settings:

- User Name: Sender
- User Email Address: select a sender E-Mail
- Password: Password of your email server
- SMTP Server: SMTP server or IP address
- SMTP Server port: SMTP Server port
- Receiver Name: name of receiver
- Mail To: Mail address of receiver
- Subject: Subject of E-Mail

**Note:** If you want to send an email to more than 1 email address, you must use “;” to separate email addresses.
C. Send Setting:
   You can use the default message or set or modify your own in English.

D. Save Setting:
   Click “OK” to save and apply settings.
   Note: Internet Firewall may not allow this E-Mailing function.
2.3.4 Data Log

The data log can be read directly via Emily2 or export to an file with xls or txt format for application. The following section is for the detail operation.

A area:
Choose the “Date”, and click “Update” for data refreshing.

B area:
- Export: Click to export the current data into “xls” or “txt” format.
- First: Click to go to the first recorded entry.
- Last: Click to go to the last recorded entry.
2.3.5 Event log

The event log can be read directly via Emily2 or export to an file with xls or txt format for application. The following section is for the detail operation.

A area:
Choose the “Date”, and click “Select” for data refreshing.

B area:
Event log filter for read or export

C area:
- Export: Click to export the current data into “xls” or “txt” format.
- First: Click to go to the first recorded entry.
- Last: Click to go to the last recorded entry.
2.3.6 Schedules

Emily2 supports the scheduling self test, turn-on and turn-off function for UPS. The following section is for the detail configuration approach.

A area:
- Add: Create a new task. Please refer to section 2.3.6.1 for detail
- Delete: Delete a task
- Edit: Edit a task Please refer to section 2.3.6.2 for detail
- Exit: Exit the Schedules
2.3.6.1  Add Schedules

A. Executive Time:
- Date: Date Setting.
- Time: Time Setting.
- Frequency: Set execute cycle of the schedule.

B. Control:
- Self-test for 10 seconds.
- Self-test for (1-99) minutes.
- Self-test until Battery condition xx%.
- Self-test until Low Battery condition.
- Shutdown Operating System and UPS or Turn on UPS.

C. Function: Add or Cancel schedule
2.3.6.2 Edit Schedules

First, select the schedule you want to modify. And click “Edit” to modify task.

Click “Edit” to modify and save this task.
2.3.7 Oscillograph
   It is visual data curve for easy check.

![Oscillograph Image]

2.3.8 About
   It displays copyright and version information of Emily2.

![About Image]

2.4 Pop-up message
   When event occurred (e.g. power fail battery low ... etc.), Emily2 will pop up a message to remind the user to handle it.

![Pop-up message Image]