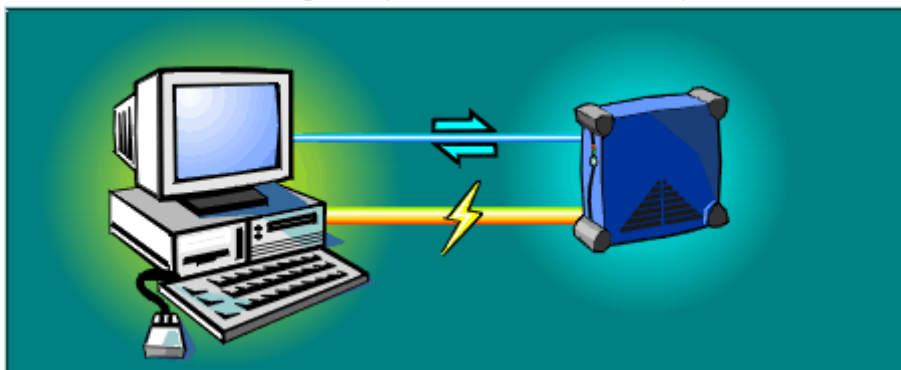


# User Manual

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## 1 System summarize

Muser4000 is software for cooperating with PC and UPS. Its major function is as following:



- Manage the communication connection with UPS.
- Monitor all current data from UPS.
- Display UPS work state with figure.

- Setting UPS parameter.
- Log all events and alarm information.
- Log timed current data from UPS.

## 2 System circumstances requirements

RS-232 communication port: COM1-COM4

Operating system:

- Microsoft Windows 98
- Microsoft Windows 2000
- Microsoft Windows NT
- Microsoft Windows Me
- Microsoft Windows XP
- Microsoft Windows 7

## 3 Hardware installation

**Muser4000 hardware installation steps**

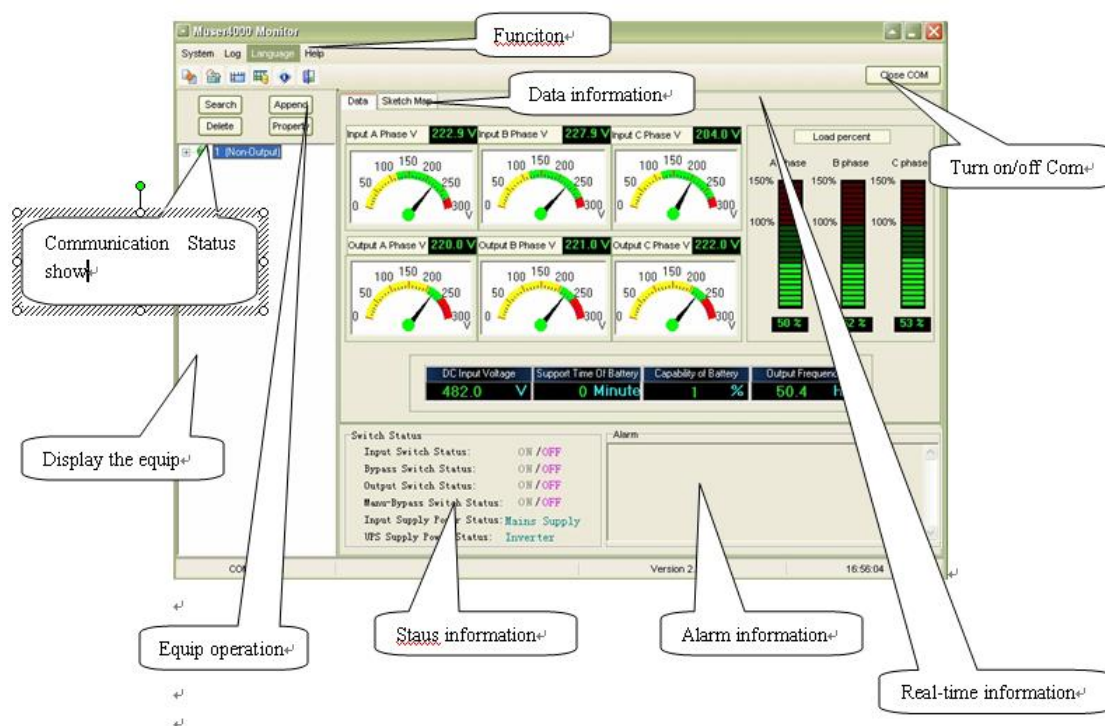
- Connect UPS and PC with serial port cable.
- Male serial port connects to the RS232 communication port of UPS.
- Female serial port connects to the RS232 communication port of PC.

## 4 Software installation

- Put UPS CD into CD-ROM.
- Run setup.exe program, and default the program will be installed into "C:\ Program Files\Muser4000".
- When UPS install done, user can run this program.

# 5 Operation

## 5.1 Software main figure:



Turn on/off Com: Indicator on express the corresponding serial port is open, indicator off express the corresponding UPS is close.

Communication Status show: Red light means communication error, Green light means communication OK.

Equip operation: Click append/delete/search/property button to manage the equipment.

Real-time information: Display the real-time information of main monitor UPS.

Data information: Display the real-time data information of main monitor UPS.

Status information: Display the real-time status information of main monitor UPS.

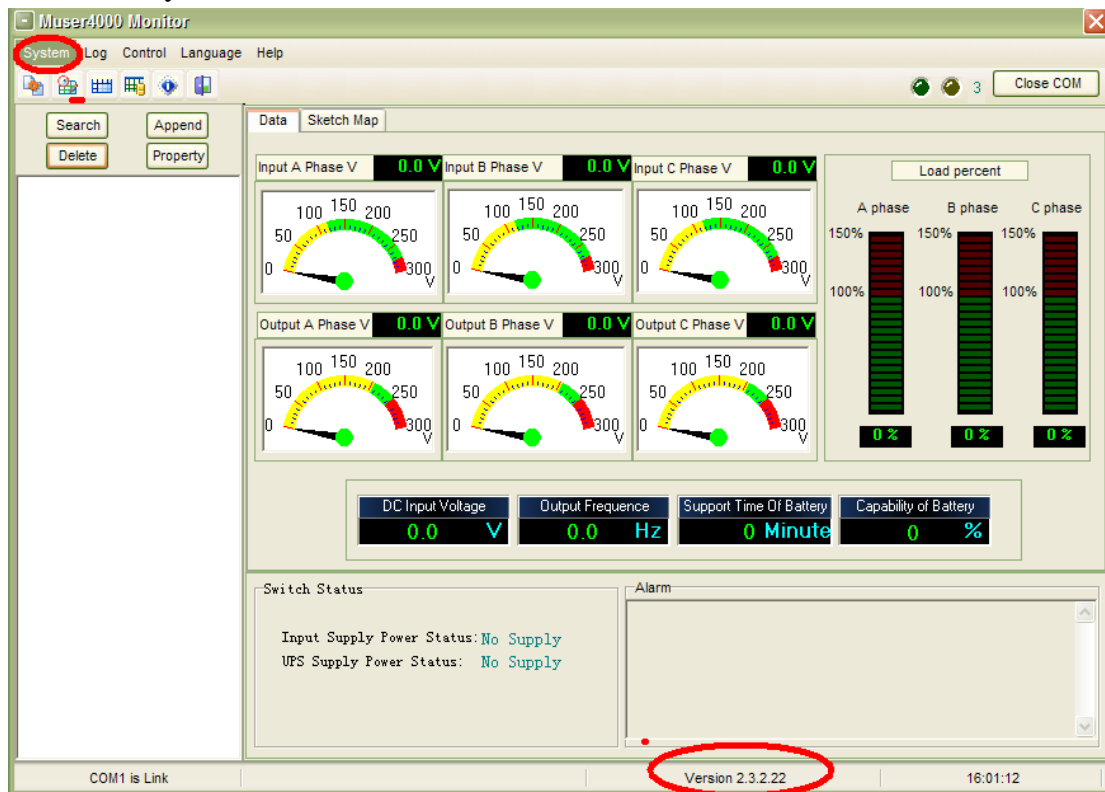
Alarm information: Display the real-time alarm information of main monitor UPS.

## 5.2 Software Parameter Setting

YDC3300

The muser4000 Software Version 2.3.2.22

● choose “System”



● choose: “Software Parameter Setting”



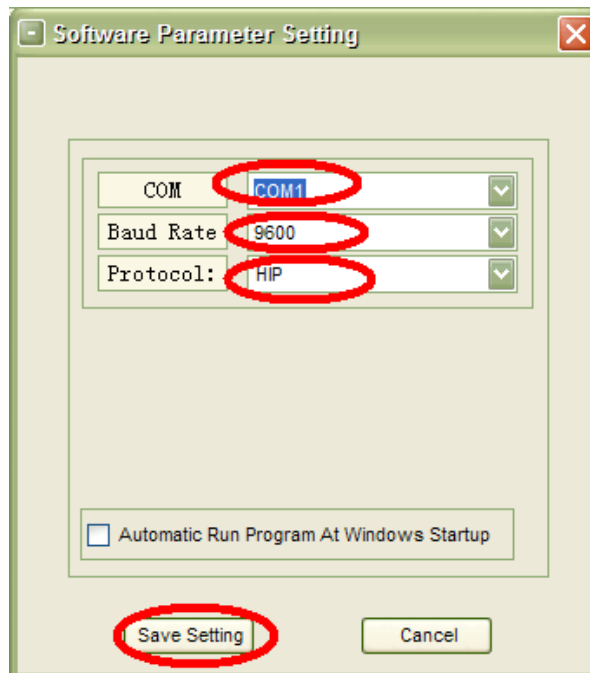
● “System”

COM: Select PC COM.

Baud Rate: Select PC Baud Rate.

Protocol: Select Protocol.

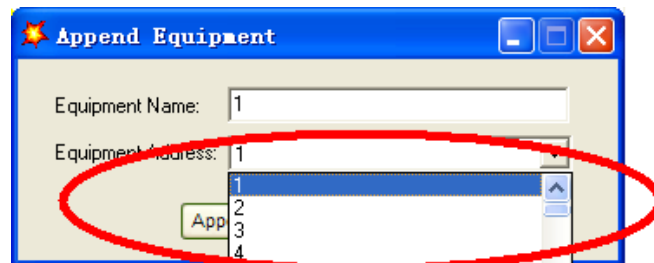
COM Port must be the same design as PC port, Baud Rate use “9600”, Protocol use “HIP” and then “Save Setting”

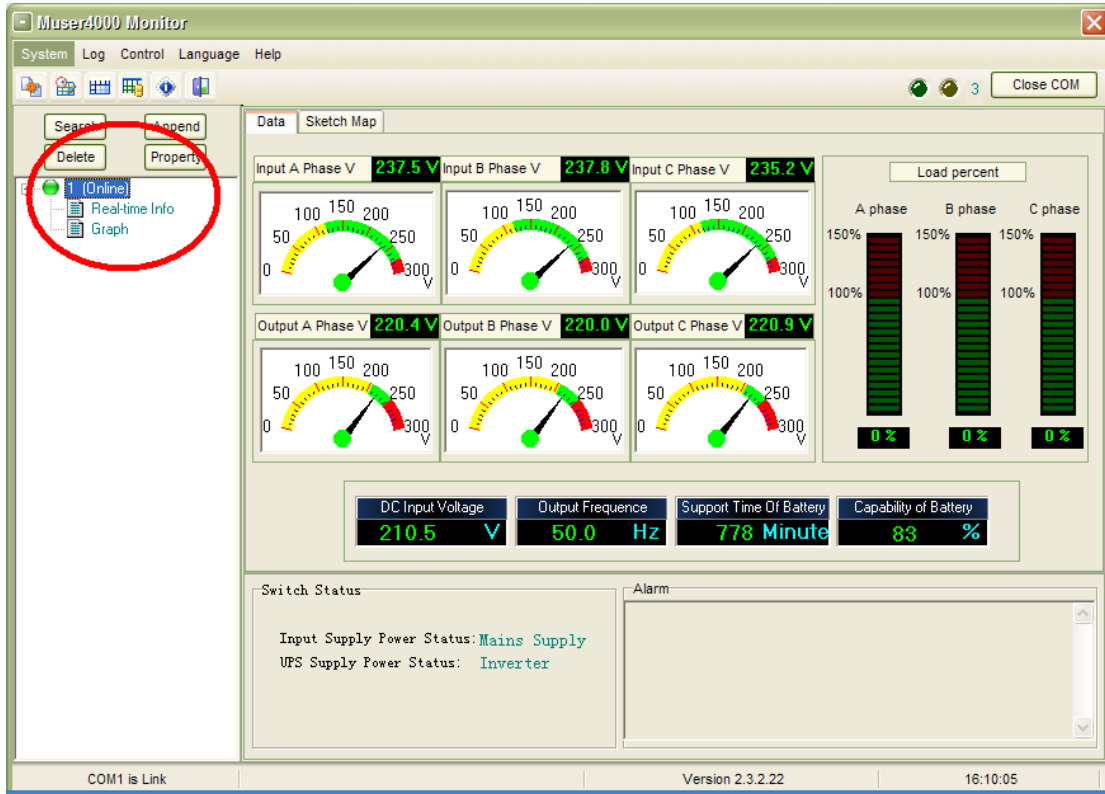


● add UPS

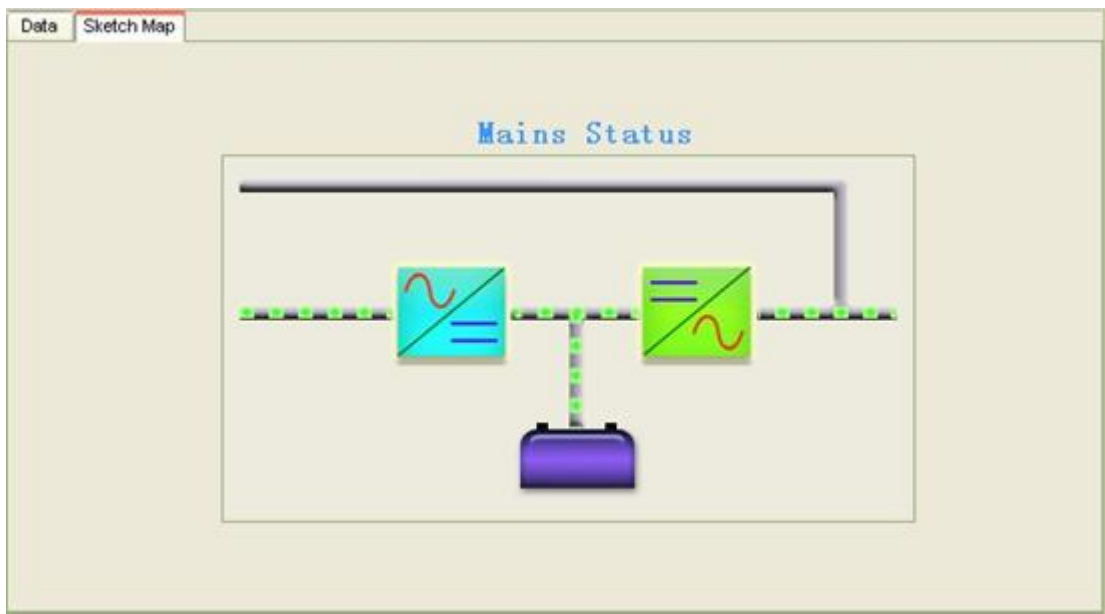
As shown in the following figure: (Each frame should refer to the steps mentioned above in order to add UPS, with different parameters.

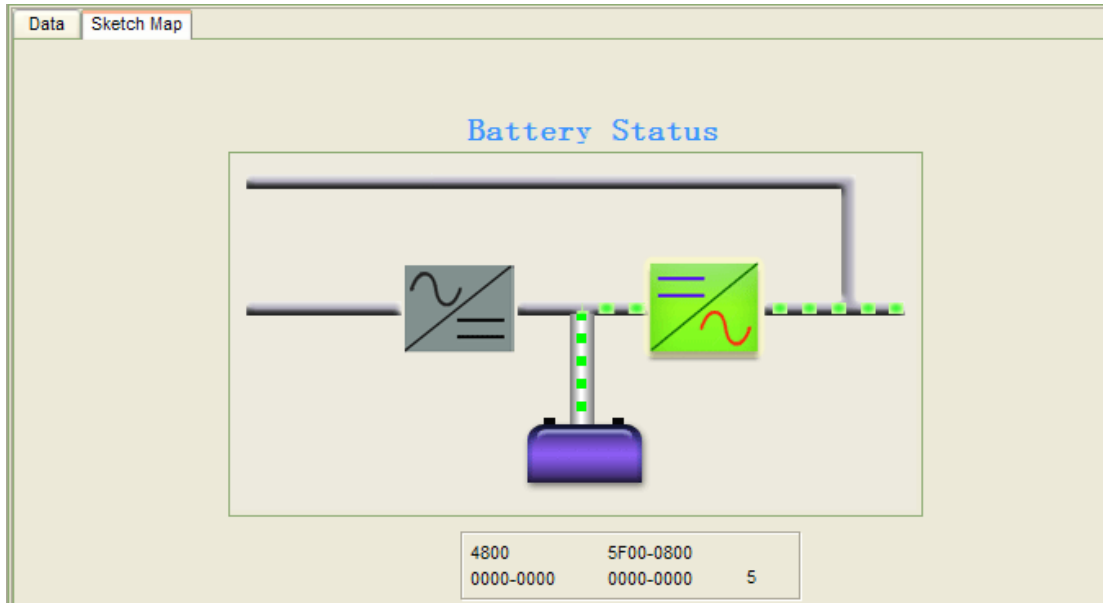
Click Append, type any name or number at “ Equipment Name” menu, however the Equipment Address should be the same as frame ID number, then click Append.





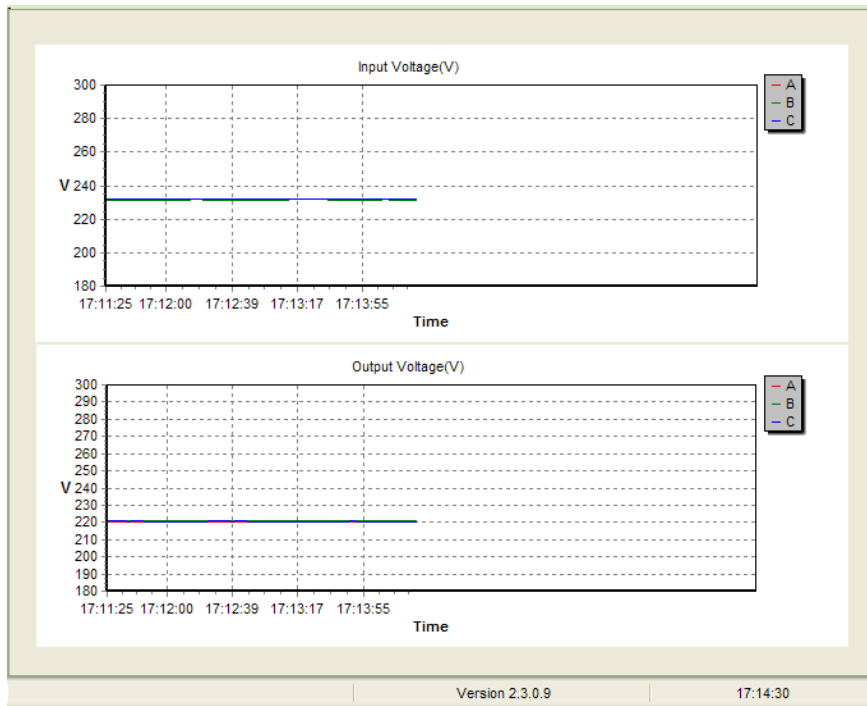
### 5.3.2 Sketch Map





This figure displays the running status of monitor UPS.

### 5.3.3 Graph

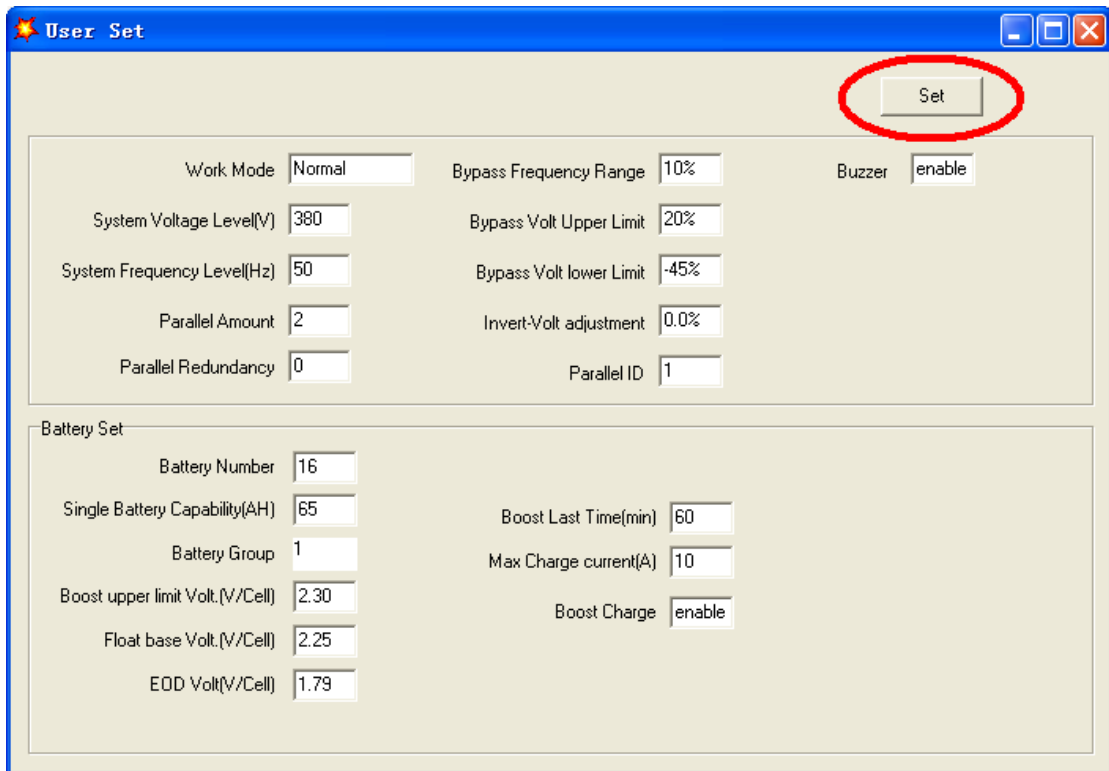
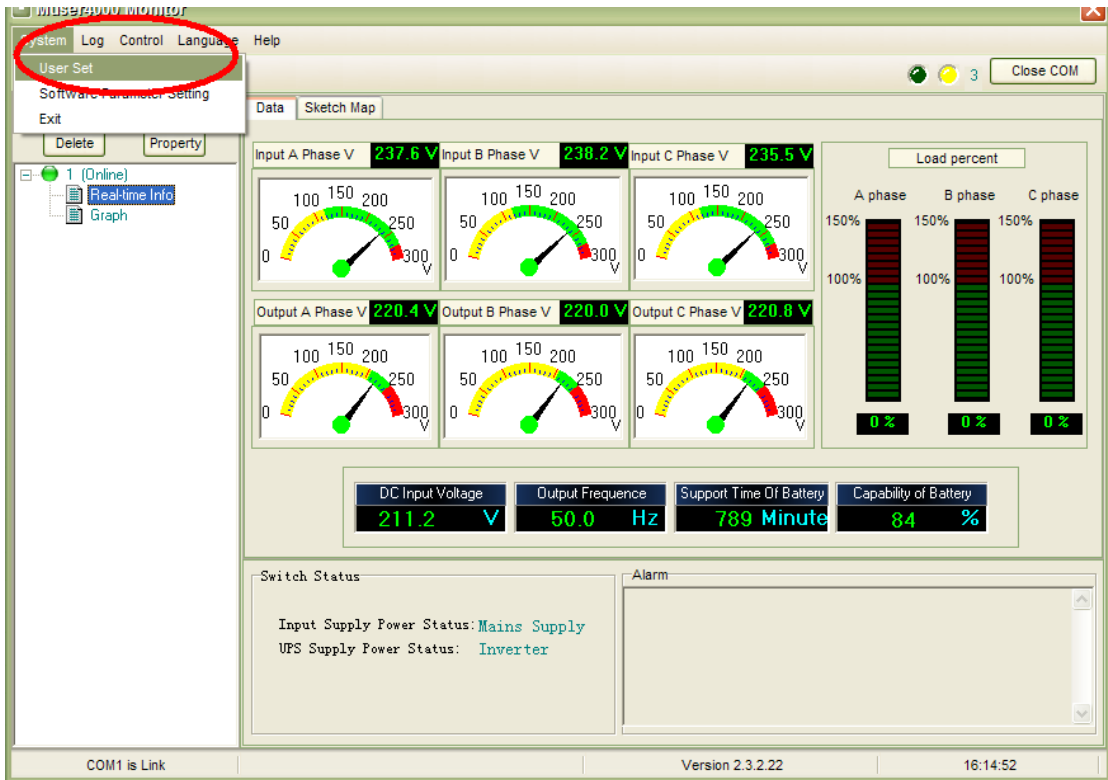


This figure displays the input and output Volt of monitor UPS with curve..

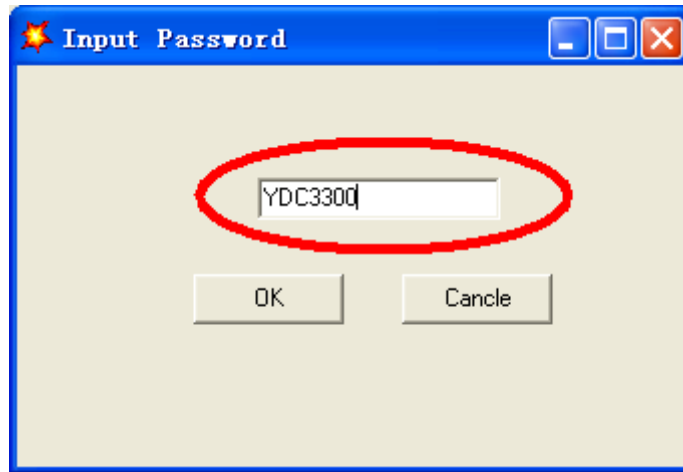
## 5.4 UPS rating parameter query and setting

### YDC3300 User setting

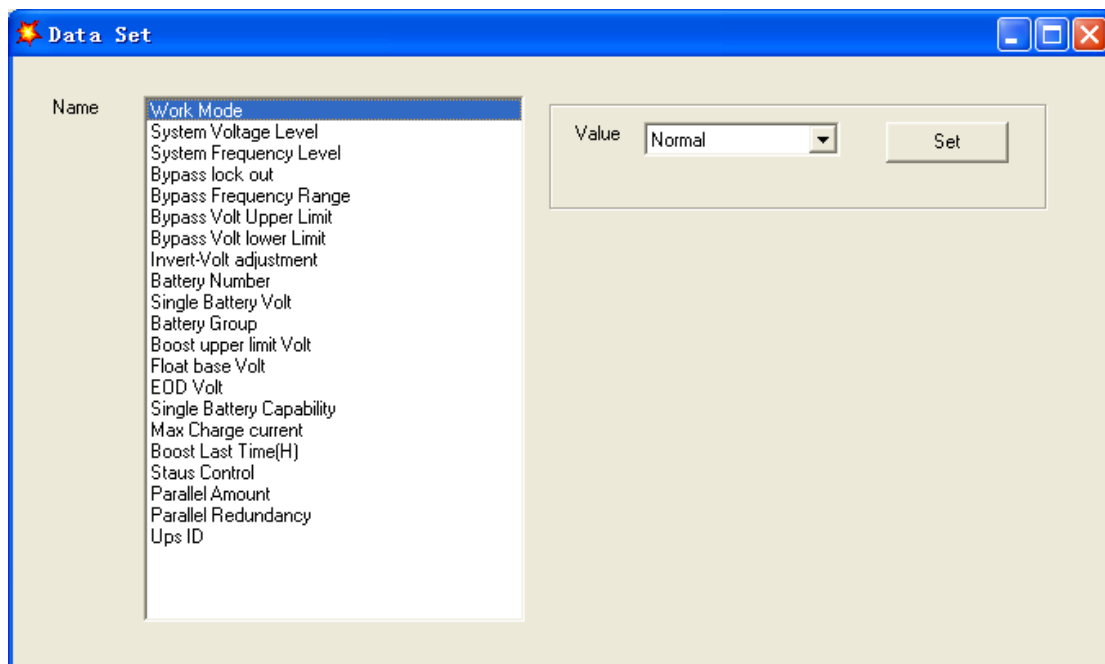




This figure displays the forms for browsing.



Click“ok”



This figure displays the forms for setting

If user wants to check total data or all UPS, then user has to click “Data Set”.

When users want to set the Parallel, users have to choose “Parallel Amount “ and put value number and click “Set”, or choose Parallel Redundancy on “Name” menu, and click “Set” to retrieve the data.

## 5.5 Event Log



This display check the Event Log

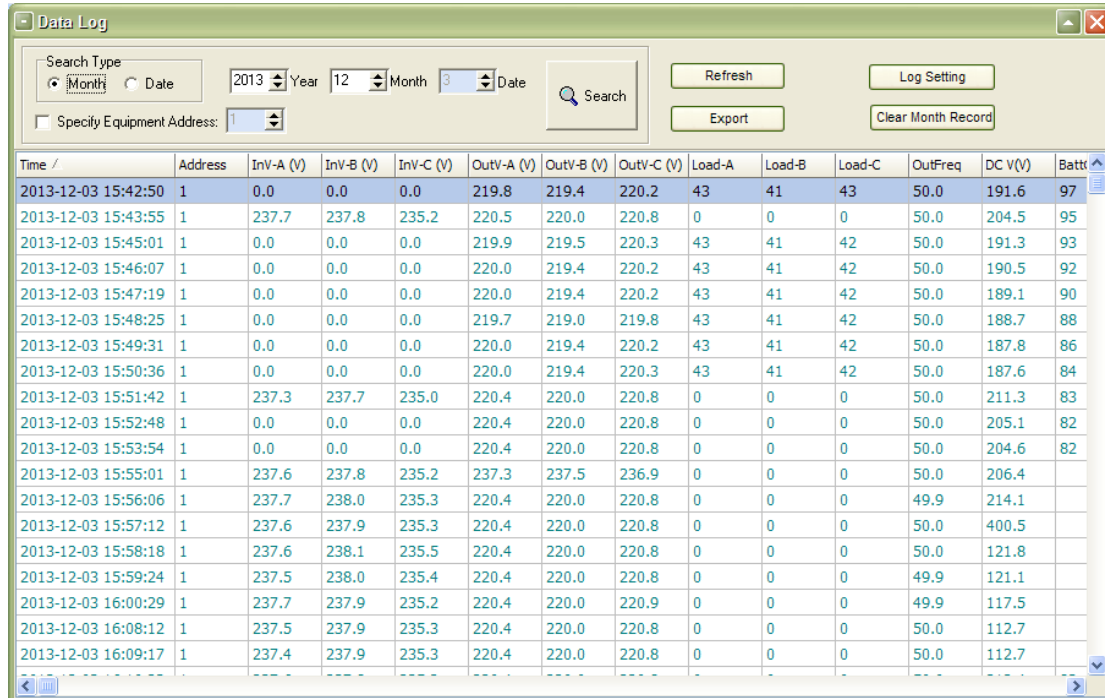
The screenshot shows the Event Log window in the Muser UPS monitoring software. It features a search interface with filters for Search Type (All, Year, Month, Date), Year (2013), Month (12), and Date (3). The event log table lists 19 events from 2013-12-03, including 'Recover from: No battery', 'Cable connection error', 'CAN comm. Fault', and 'Low battery alarm'.

Index	Time	Address	Event
1	2013-12-03 16:14:47	1	Recover from: No battery
2	2013-12-03 16:11:16	1	No battery
3	2013-12-03 16:09:56	1	Recover from: No battery
4	2013-12-03 15:58:32	1	Recover from: Cable connection error
5	2013-12-03 15:58:32	1	Recover from: CAN comm. Fault
6	2013-12-03 15:58:25	1	Cable connection error
7	2013-12-03 15:58:25	1	CAN comm. Fault
8	2013-12-03 15:57:26	1	Recover from: Battery under voltage
9	2013-12-03 15:57:26	1	No battery
10	2013-12-03 15:55:16	1	Online
11	2013-12-03 15:54:41	1	Bypass Status
12	2013-12-03 15:54:16	1	Battery under voltage
13	2013-12-03 15:54:16	1	Standby Status
14	2013-12-03 15:54:03	1	Recover from: Low battery alarm
15	2013-12-03 15:53:49	1	Low battery alarm
16	2013-12-03 15:51:54	1	Battery Status
17	2013-12-03 15:51:08	1	Online
18	2013-12-03 15:50:46	1	Recover from: Low battery alarm
19	2013-12-03 15:48:18	1	Low battery alarm

This figure displays the event information of main monitor UPS. User can search the EventLog with the condition of year, month, date or address of equip. Users also can export all events with

\*xls format.

## 5.6 DataLog

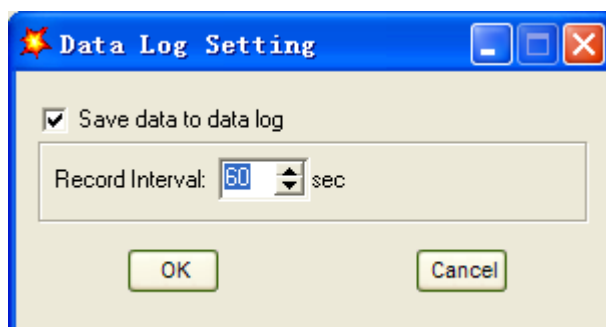


The screenshot shows the 'Data Log' application window. At the top, there are search controls: 'Search Type' with radio buttons for 'Month' (selected) and 'Date', and dropdown menus for 'Year' (2013), 'Month' (12), and 'Date' (3). There is also a 'Specify Equipment Address' dropdown set to '1'. Buttons for 'Refresh', 'Log Setting', 'Export', and 'Clear Month Record' are visible. Below the search area is a table with 13 columns: Time /, Address, InV-A (V), InV-B (V), InV-C (V), OutV-A (V), OutV-B (V), OutV-C (V), Load-A, Load-B, Load-C, OutFreq, DC V(V), and Batt. The table contains 20 rows of data representing UPS status over time.

Time /	Address	InV-A (V)	InV-B (V)	InV-C (V)	OutV-A (V)	OutV-B (V)	OutV-C (V)	Load-A	Load-B	Load-C	OutFreq	DC V(V)	Batt
2013-12-03 15:42:50	1	0.0	0.0	0.0	219.8	219.4	220.2	43	41	43	50.0	191.6	97
2013-12-03 15:43:55	1	237.7	237.8	235.2	220.5	220.0	220.8	0	0	0	50.0	204.5	95
2013-12-03 15:45:01	1	0.0	0.0	0.0	219.9	219.5	220.3	43	41	42	50.0	191.3	93
2013-12-03 15:46:07	1	0.0	0.0	0.0	220.0	219.4	220.2	43	41	42	50.0	190.5	92
2013-12-03 15:47:19	1	0.0	0.0	0.0	220.0	219.4	220.2	43	41	42	50.0	189.1	90
2013-12-03 15:48:25	1	0.0	0.0	0.0	219.7	219.0	219.8	43	41	42	50.0	188.7	88
2013-12-03 15:49:31	1	0.0	0.0	0.0	220.0	219.4	220.2	43	41	42	50.0	187.8	86
2013-12-03 15:50:36	1	0.0	0.0	0.0	220.0	219.4	220.3	43	41	42	50.0	187.6	84
2013-12-03 15:51:42	1	237.3	237.7	235.0	220.4	220.0	220.8	0	0	0	50.0	211.3	83
2013-12-03 15:52:48	1	0.0	0.0	0.0	220.4	220.0	220.8	0	0	0	50.0	205.1	82
2013-12-03 15:53:54	1	0.0	0.0	0.0	220.4	220.0	220.8	0	0	0	50.0	204.6	82
2013-12-03 15:55:01	1	237.6	237.8	235.2	237.3	237.5	236.9	0	0	0	50.0	206.4	
2013-12-03 15:56:06	1	237.7	238.0	235.3	220.4	220.0	220.8	0	0	0	49.9	214.1	
2013-12-03 15:57:12	1	237.6	237.9	235.3	220.4	220.0	220.8	0	0	0	50.0	400.5	
2013-12-03 15:58:18	1	237.6	238.1	235.5	220.4	220.0	220.8	0	0	0	50.0	121.8	
2013-12-03 15:59:24	1	237.5	238.0	235.4	220.4	220.0	220.8	0	0	0	49.9	121.1	
2013-12-03 16:00:29	1	237.7	237.9	235.2	220.4	220.0	220.9	0	0	0	49.9	117.5	
2013-12-03 16:08:12	1	237.5	237.9	235.3	220.4	220.0	220.8	0	0	0	50.0	112.7	
2013-12-03 16:09:17	1	237.4	237.9	235.3	220.4	220.0	220.8	0	0	0	50.0	112.7	

This figure displays the current data information of main monitor UPS. User can search the DataLog with the condition of year, month, date or address of equip. Users also can export all events with \*xls format.

## 5.7 DataLog Set



User can set time to log the data information of main monitor UPS.

## 5.8 Equip Operation

### 5.8.1 Search

Search Equipment

Search Equipment on RS485 network:

Searching Type  
 default  user-defined

Range of Searched Address  
From 1 To 254

Search

Addresses that have been searched:

Addresses that will be Appended:

Equip Addr	Equip Name
------------	------------

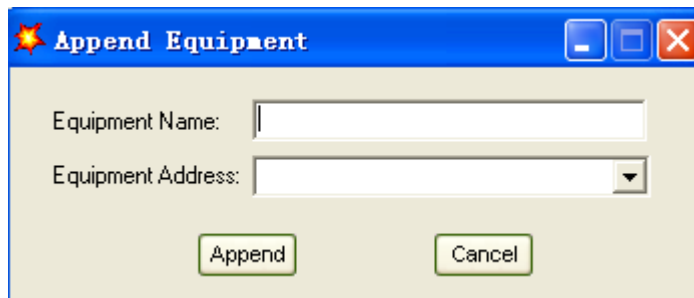
Addresses that system had existed:  
1

Let equipment name the same as its address

Clear List Append To System

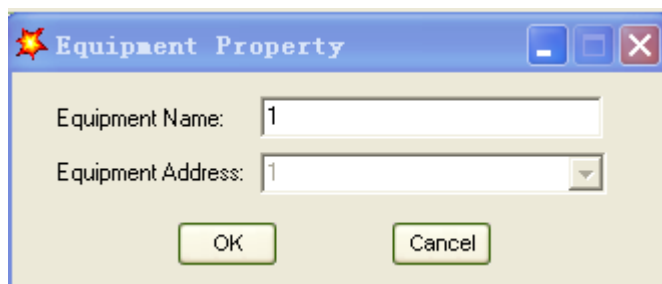
User can set the searching range. User will search the online equipment after clicking the search button and append the equipment to the system had existed area.

## 5.8.2 Append



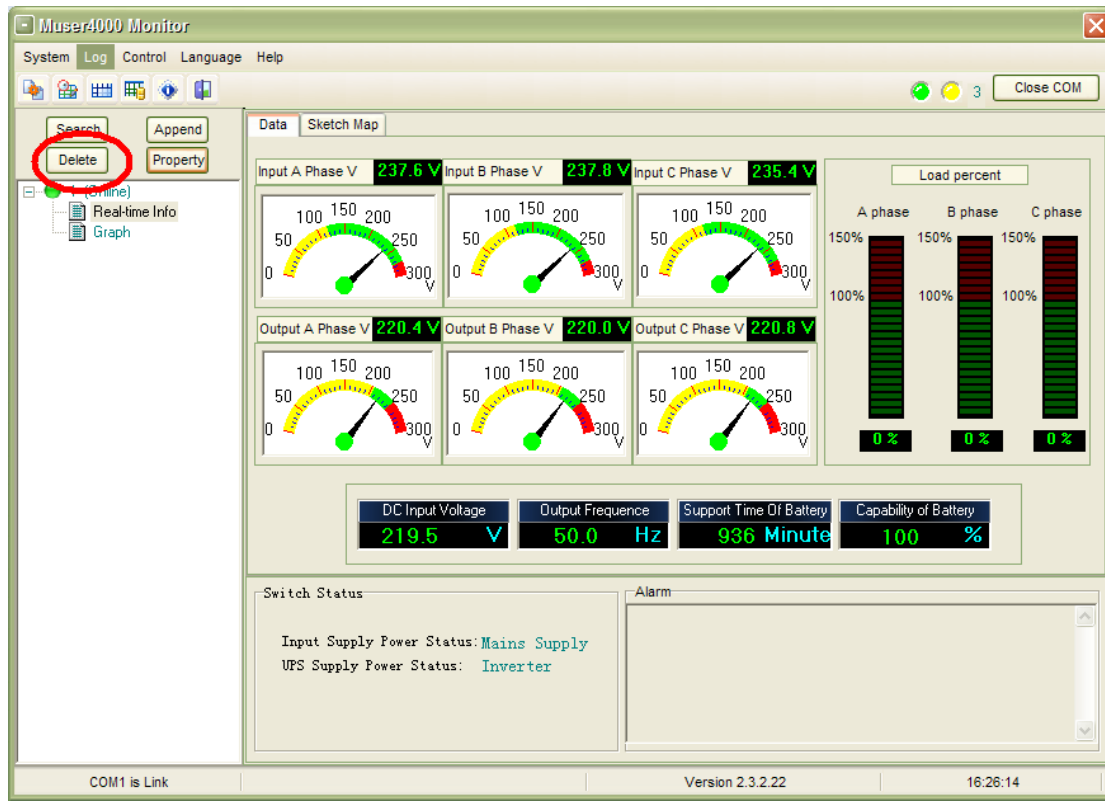
User can append the equip

## 5.8.3 Property



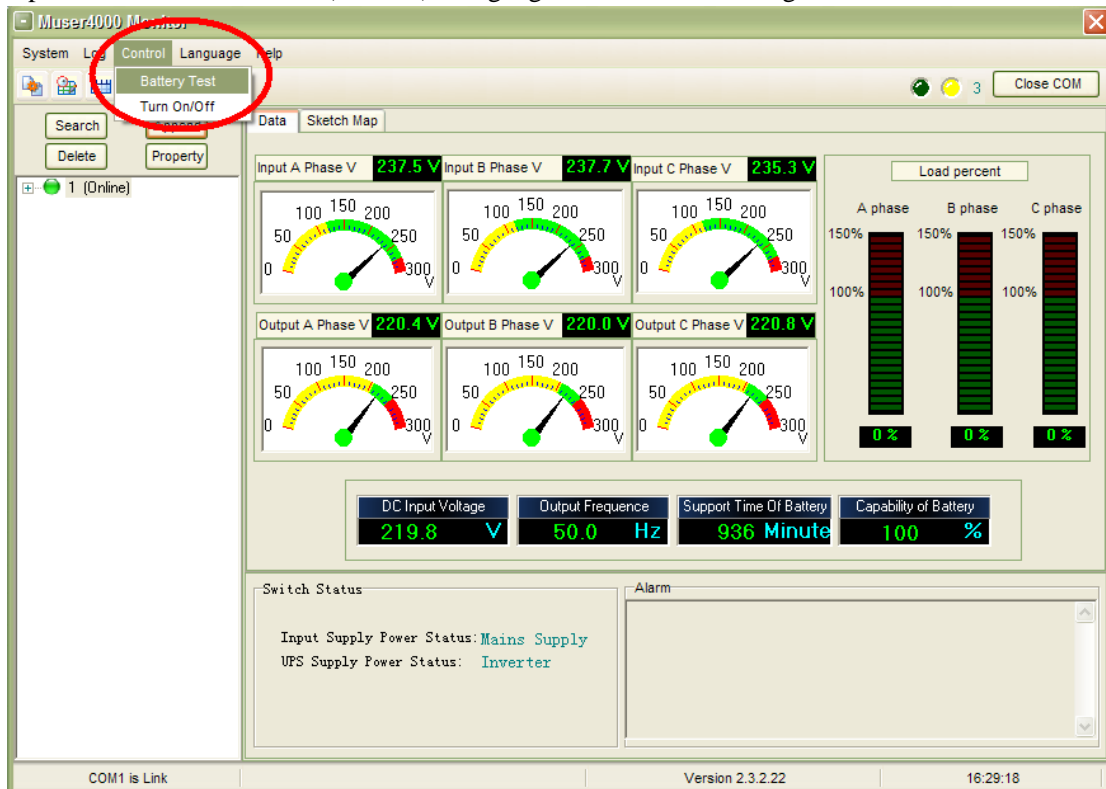
User can set the name of equip only.

## 5.8.4 Delete Control Language and Help



User can delete the selection in the area of Equip.

Ups inverter remote control (On, Off), Language has Chinese and English version.



The following are some user friendly optional operation shortcuts icon!

