Monitored PDU Series
Switched PDU Series

PDU Utility Guide

◄ V1.0 ►

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1. Introduction

General

The PDU Utility is PDU monitoring, management software. It has been designed to provide information about power conditions and status of PDU and power environment.

Its functions have

1. **Monitor a large amount of PDU power consumption simultaneously.**
2. **Group Management of a large amount of the PDU.**
3. **Provide power consumption chart for daily monthly or the user-defined period report.**
4. **Send the email and trap to the specific account when the power event occurs.**
5. **Forward the trap to the user-defined account.**
6. **Events can be logged and exported to the Syslog server.**

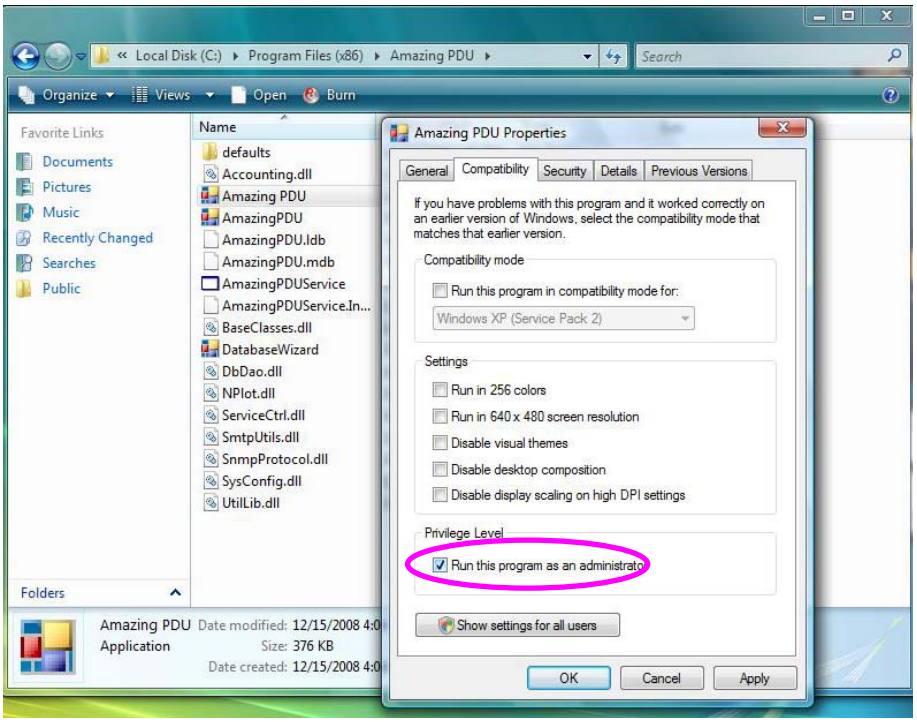
2. Installation

Install procedure:

CD Auto play screen. Please install the software step by step.

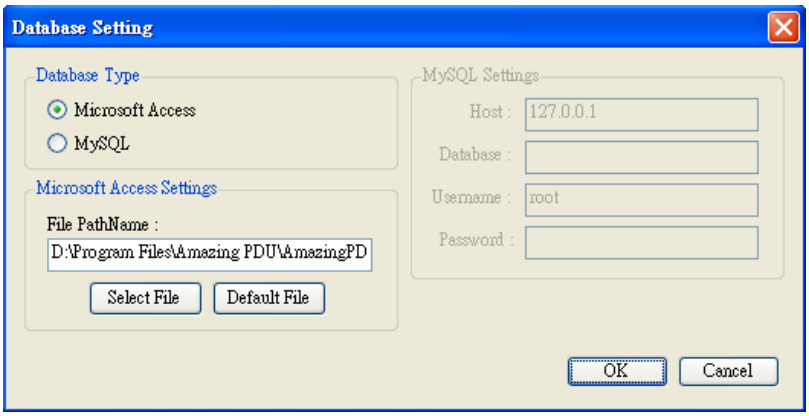
Note:

1. It will take several minutes if your operation system had not been installed Microsoft .NET Framework yet.
2. Recommend that install the PDU Utility to the server level of Windows operation system.
3. If install utility under Windows Vista OS, you must first go to the folder of Amazing PDU and select the Properties of “Amazing PDU.exe”, shown as below to check the “Run this program as an administrator”. Then the utility will work normally.



First time to use PDU software, you must select what kind of database that you want to record the PDU information.

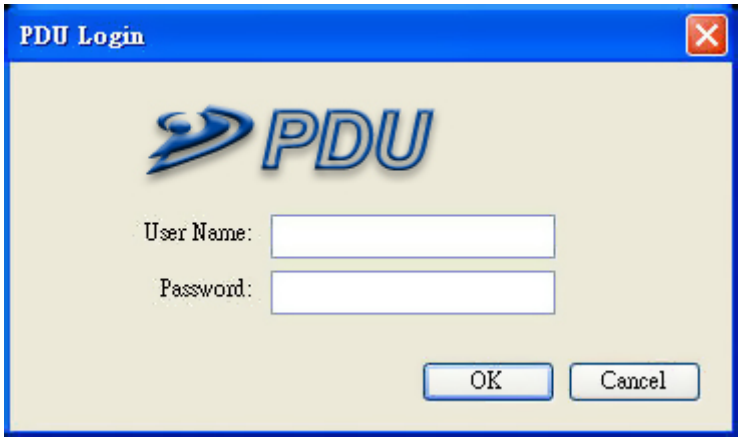
- The default database is set to Microsoft Access.
- If you want to use MySQL database, you may download it from http://www.mysql.org



3. PDU Utility Interface

3.1 Start

The Login Screen.
The default User Name is **admin**, Password is **1234** .



After login to the software, you will see the software interface as following, it contains four sections:

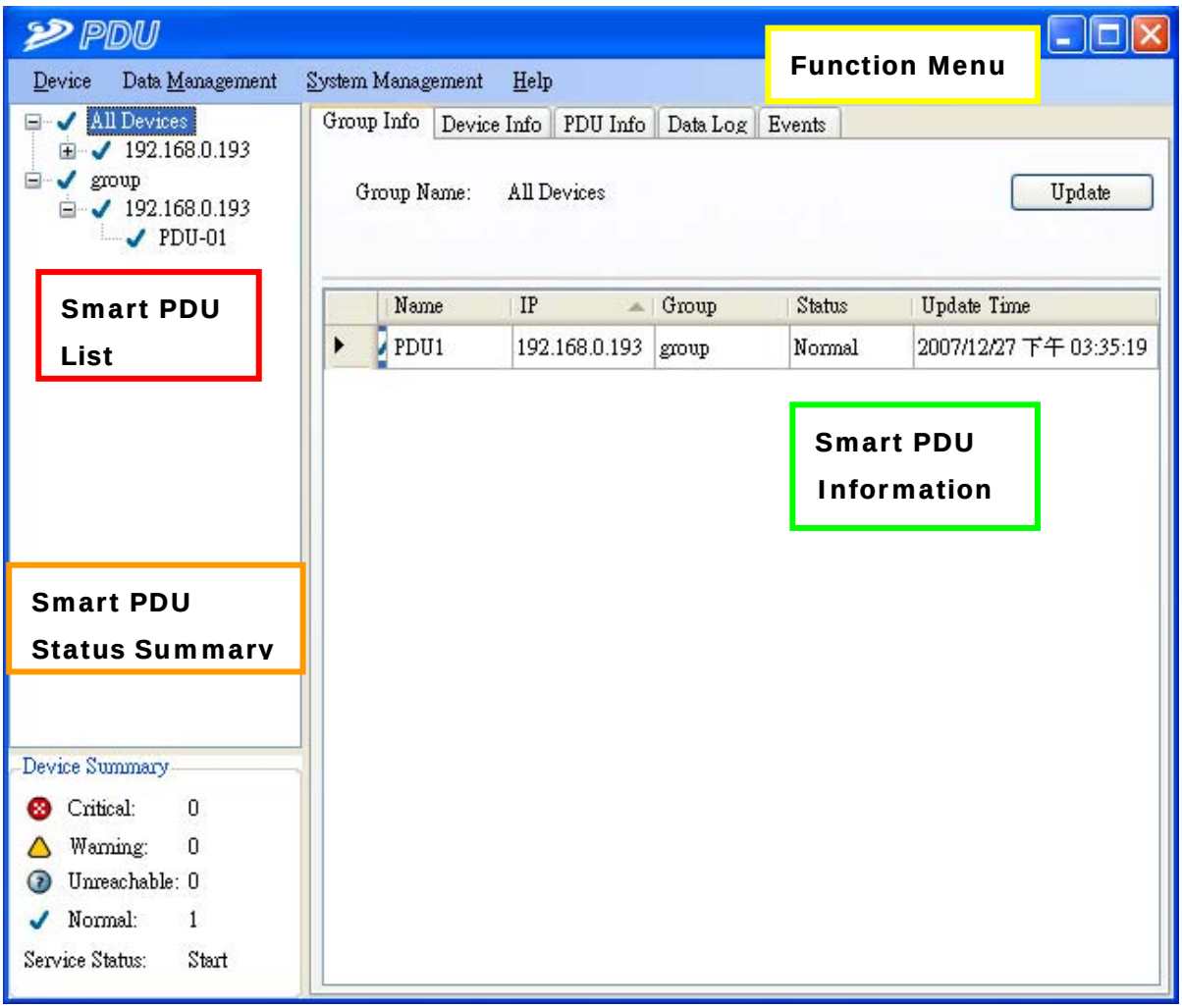
1. **Function Menu:**
   PDU Utility functions bar.

2. **PDU List:**
   List all the PDU in the network; user can define the group to easily manage a large amount of the PDU.

3. **PDU Information:**
   This area provides all detail information about the PDU.

4. Device Summary:

Indicate the status of the monitored PDU in the network.

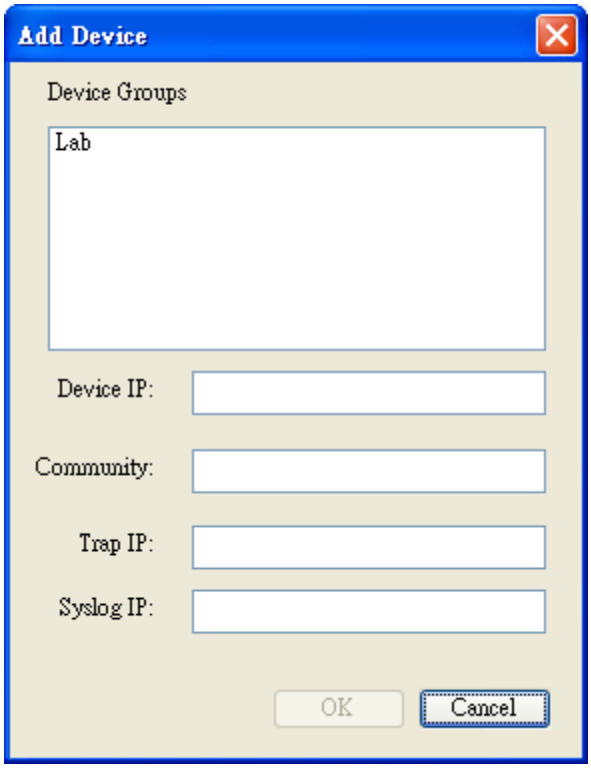


3.2 Function Menu

1. Device

■ Add Device

Administrator can add the PDU by manually if the IP address of PDU had been setup before.



- Device Group: Select the PDU belongs to which group

- SNMP Community: Set the community, it must the same with the PDU in order to communicate with it. Default setting is “private”
  Note1: This community is set for the authority of “WRITE”.
  Note2: The “READ” community is set to “public”, and user can not change.

- Trap forward IP: When event occurs, it can forward the event trap to the certain NMS.

- Syslog Server IP: Forward the log to the certain Syslog server.

■ Edit Device

Administrator can redefine the PDU information here, including

- Device Group:
  Change the PDU belongs to which group

- SNMP Community:
  Set the community, it must the same with the PDU.
  Note: This community is set for the authority of “WRITE”.

- Trap forward IP:
  Change the trap receiver IP.

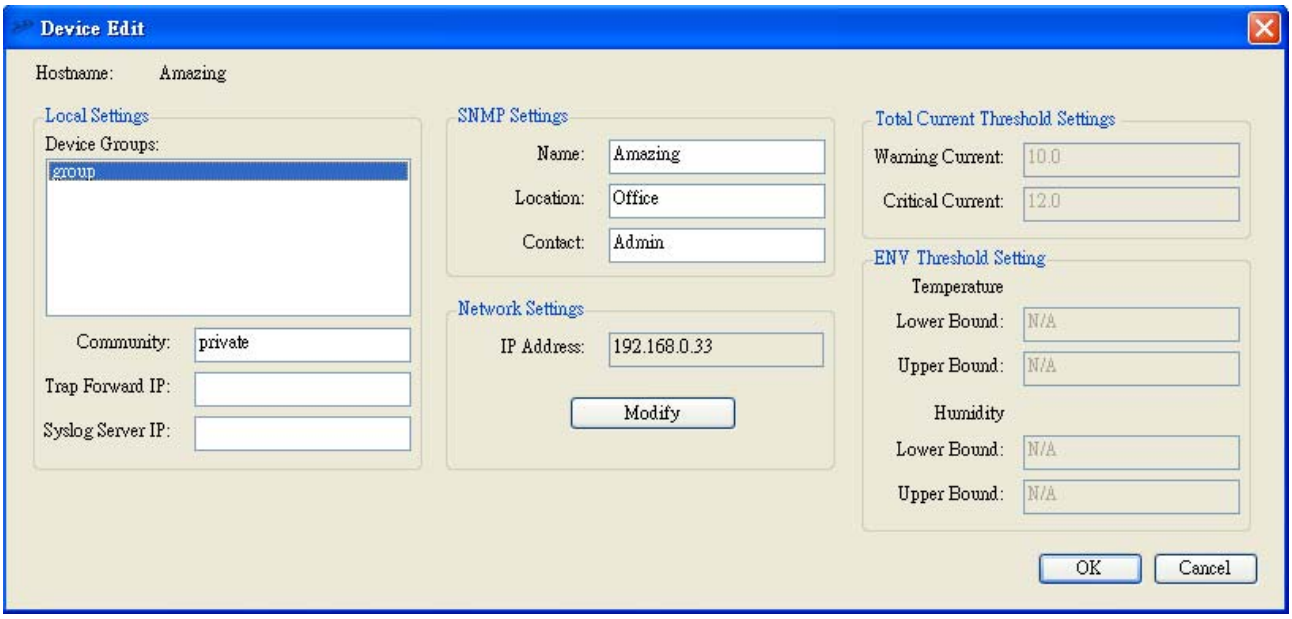
- Syslog server IP:
  Change the Syslog server IP.

- SNMP Settings:
  Modify the SNMP information for the PDU.

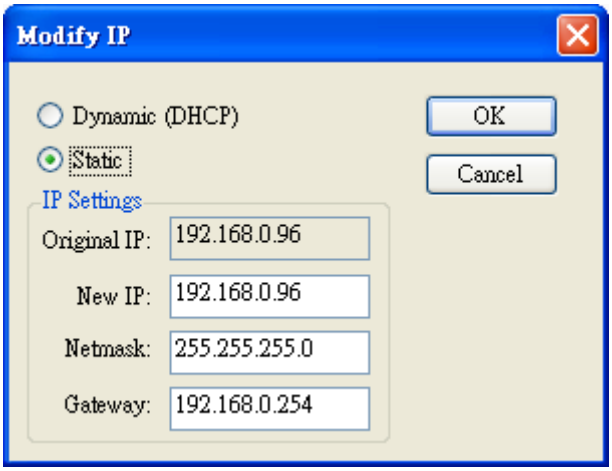
- Network Settings:
  Re-defined the IP address of PDU.

- Total Current Threshold Setting:
  It is only available when there is not only one PDU under this IP address.
  User can input the current threshold to prevent total PDUs’ power consumption exceed the facility capacity.

- ENV Threshold Setting:
  When the temperature or humidity exceeds the pre-setting, utility will send mail to notify manager.



Manager can change the method that PDU Utility to get the IP.



■ Remove Selected Device

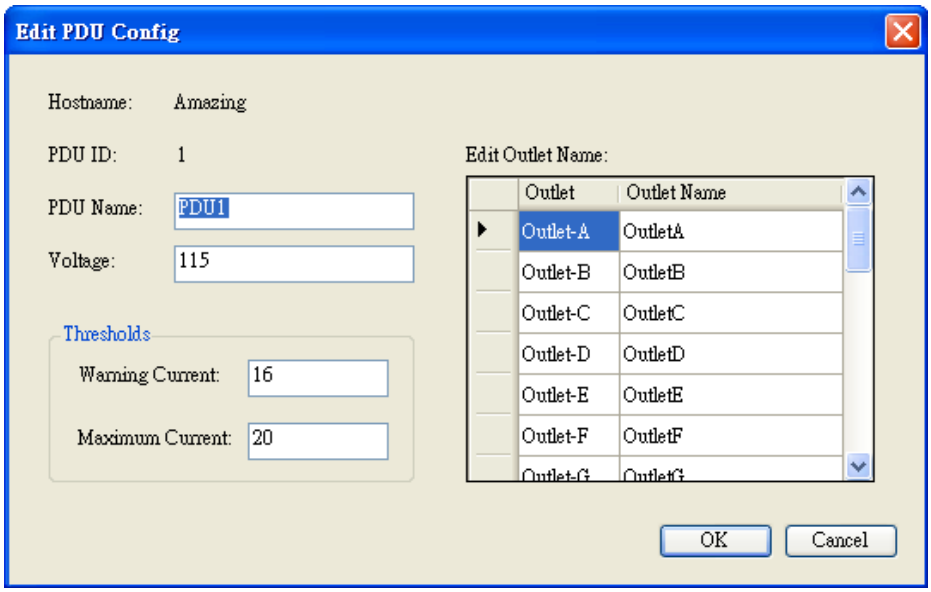
Delete the selected the IP address of PDU

■ Edit PDU Config

Modify PDU configuration.

- PDU Name: User defines the PDU name.
- Voltage: User defines the voltage..
- Threshold: PDU Threshold.

- Outlet Name: User defines the outlet name.
- (Option)



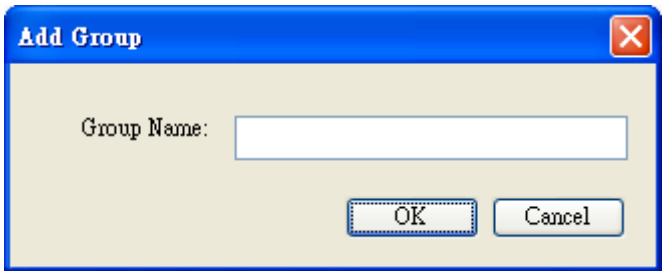
■ Remove Selected PDU

■ Update Device Information

Update the PDU information manually.

■ Add Device Group

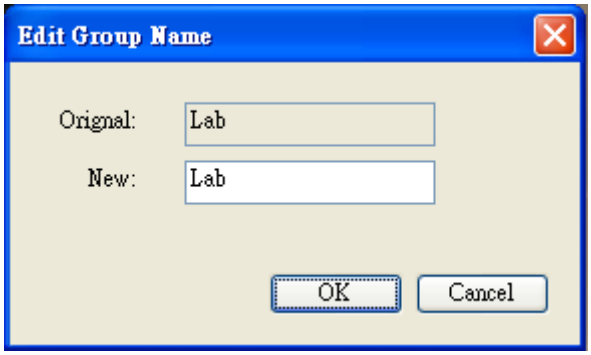
Create a new group.



The default group is named “Lab”.

■ Edit Group

Rename the group



- **Remove Device Group**

  Delete an existing group. All PDU listed under this group must be removed first.

2. Data Management

- **Export kW*hr Account to CSV**
  Export power data with CSV format.

- **Export Data Log to CSV**
  Export current data log with CSV format.

- **Export Events to CSV**
  Export events data with CSV format..

- **Remove kW*hr Account Records**
  Delete power consumption data.

- **Remove Data Log Records**
  Delete current data log.

- **Remove Event Records**
  Delete event log.

3. System Management

- **Scan Subnet**

Search all IP addresses of PDU that are connected under the same subnet.

Procedure:

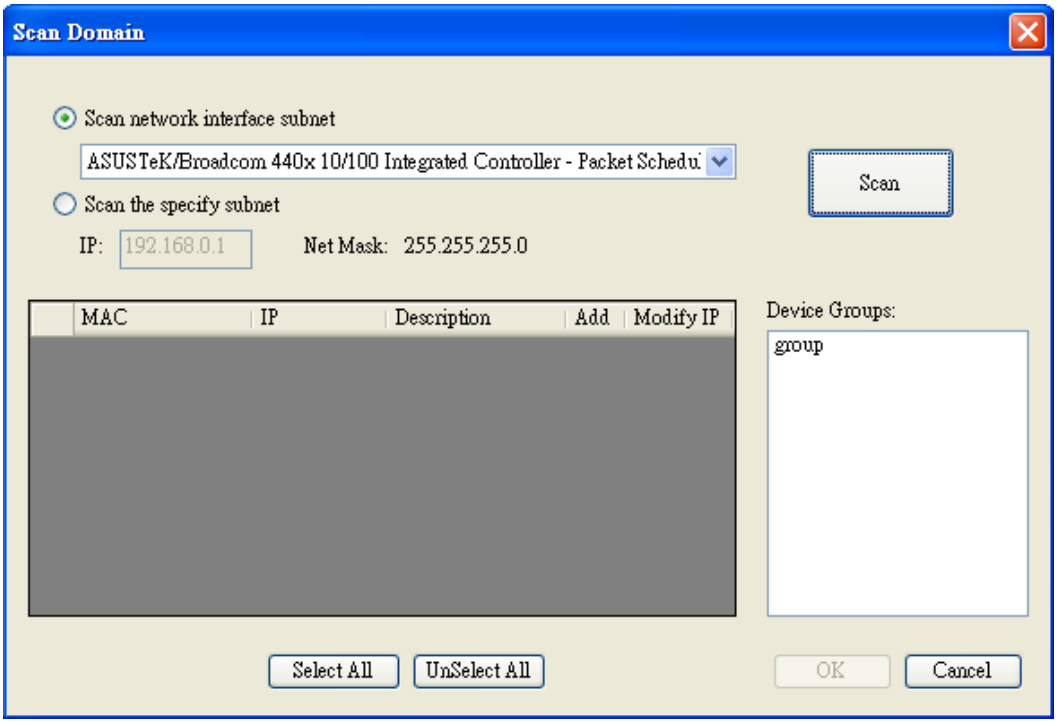
a. Select the way to scan the PDU in the network.
   - Scan network interface subnet
   - Scan the specify subnet

b. Press the “Scan” Button to search all PDU devices under this subnet.

c. Checked the box of “ADD” that you want to add to the PDU Utility.

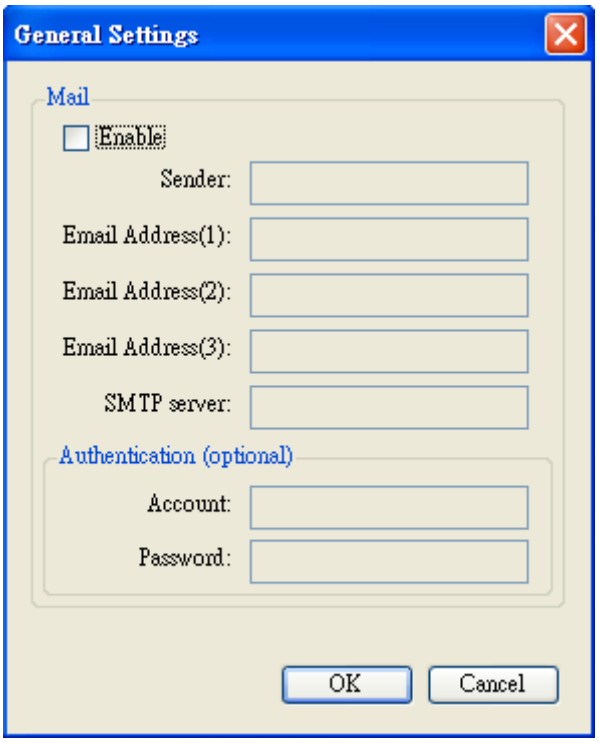
d. Select one of the groups in the “Device Group” to category the PDU.

e. Select “OK” to finish the procedure.



■ General Setting

This setting contains two functions.

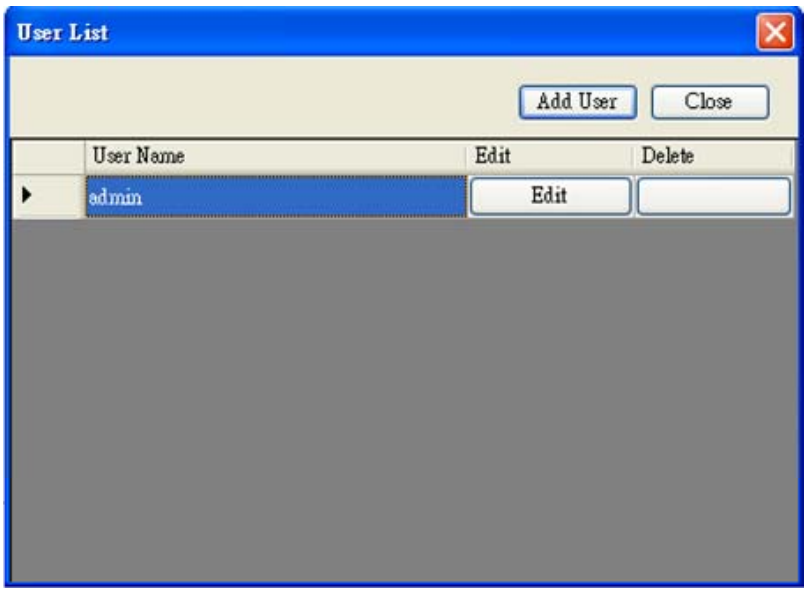


Mail:

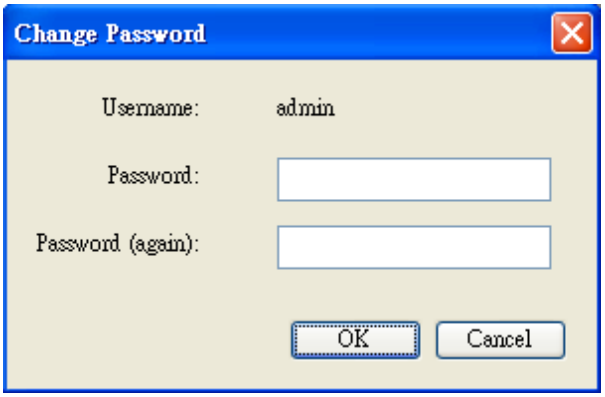
When the event occurs, PDU Utility can send out the email message to the pre-defined account.

■ User List

Administrator can add, delete and manager all the user privilege here.

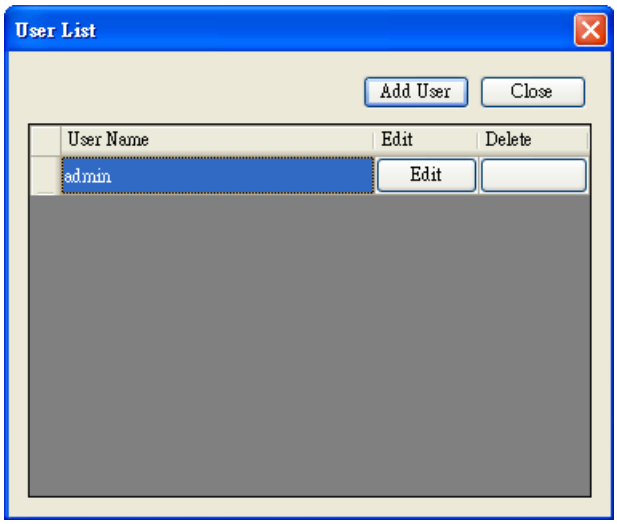


User can only change the password for the “Admin” account.



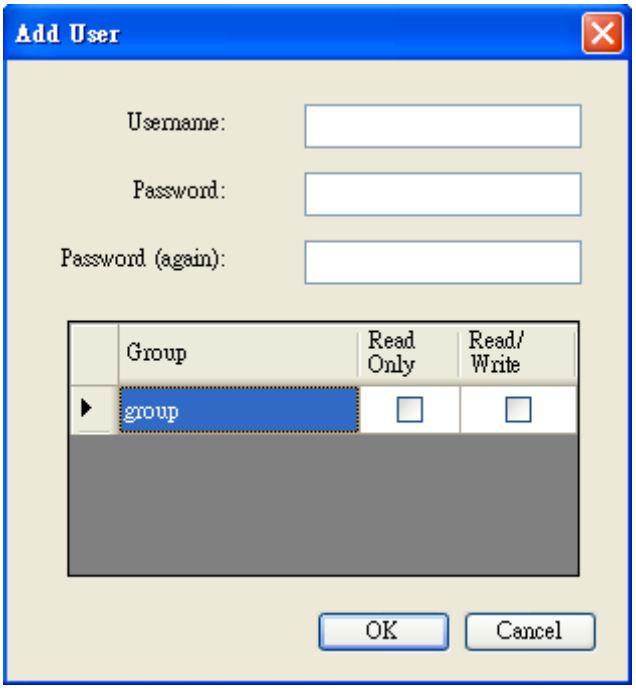
Add user:

User can be assigned to the authority of Read only or Read/Write.



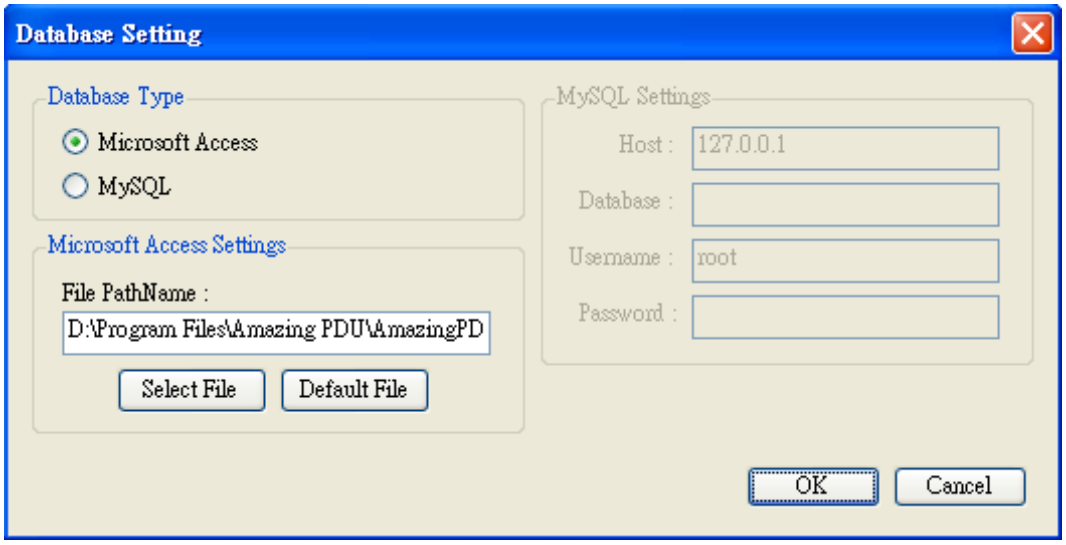
Edit User:

Change the password, authority for the user.



■ Database Setting

Modify the database setting.



PDU supports Microsoft Access and MySQL. Please select one according to your power condition.

■ Service Control

Service control.

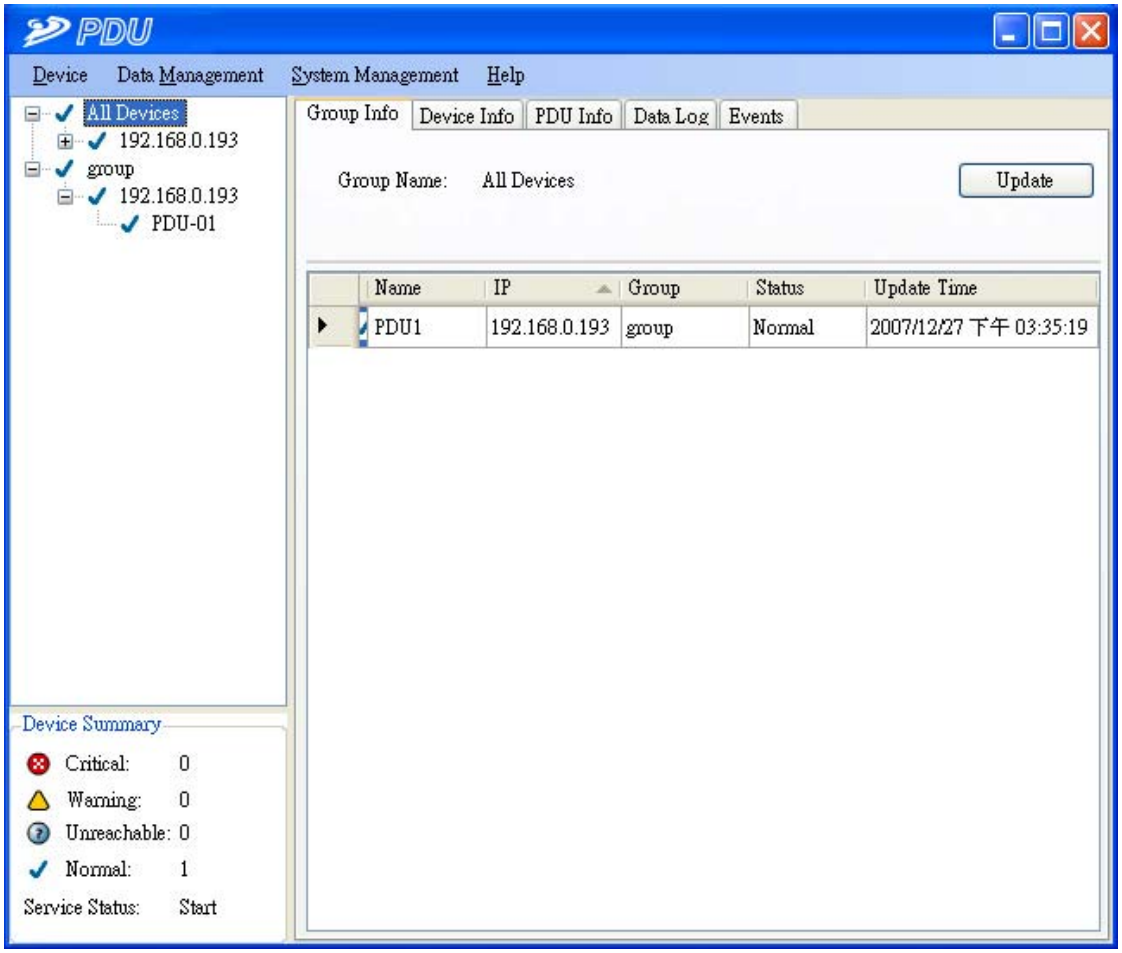
Note:

If the service can not start, it could be the SNMP port had been used by the other program in the Windows OS. Please close the program and then restart PDU.

3.3 PDU Information

1. Group Information:

List all PDU in this table and provide some important information.



Device Summary	
Critical:	Indicate output power of the PDU exceeds the setting of overload.
Warning:	Indicate output power of the PDU exceeds the setting of warning.
Unreachable:	Indicate that PDU Utility can not reach the PDU
Normal:	Indicate the PDU is working normally.
Service Status	PDU Utility service status. When indicates “Stopped” , please go to System Management> Service Control to “Start” the service.
Icon:	Indicate the PDU status by different icon.
Name:	The name of PDU.

IP:	The IP address of PDU
Status:	Indicate the communication status with the PDU Utility. ● Normal: The PDU Utility communicates with PDU normally. ● Querying: The PDU Utility is requesting data from the PDU. ● Communication Lost: The PDU Utility can not get data from the PDU. ● Warning: The power consumption of PDU exceeds the threshold of warning. ● Overload: The power consumption of PDU exceeds the threshold of overload.
Update Time:	The last time of update PDU information.

2. Device Information:

Indicate the network device information and connected PDU(s) information, including:

■ Network Information:

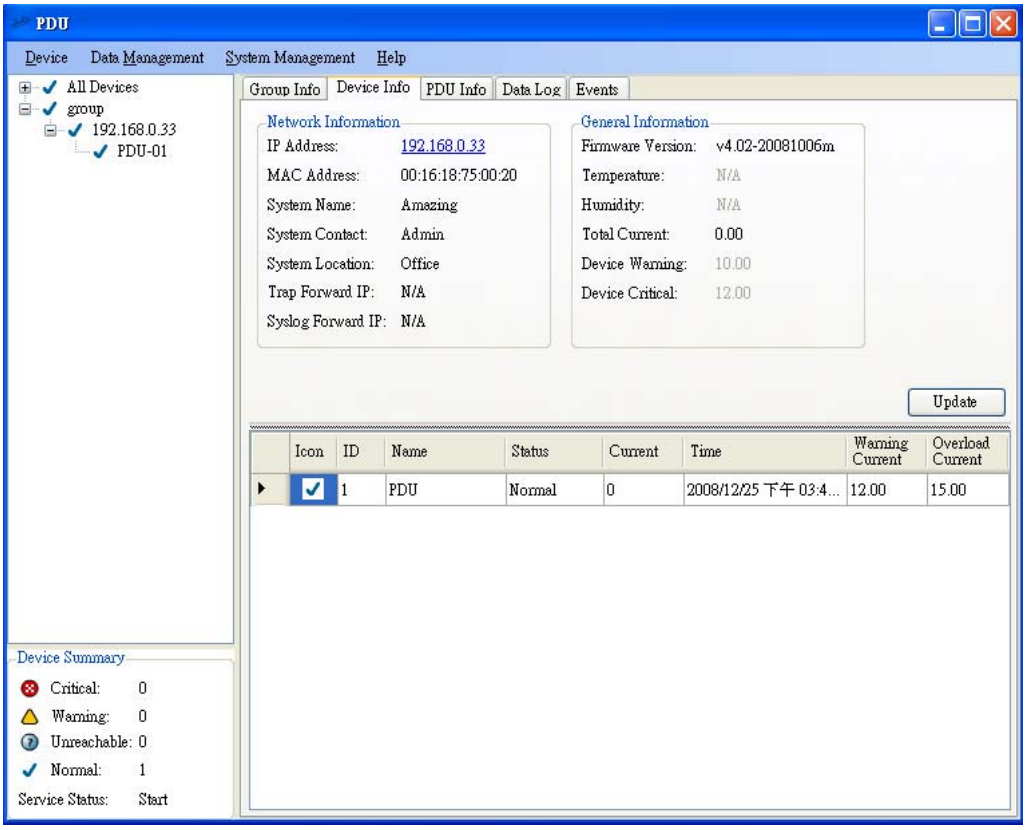
Indicate the network and system information, Including

- IP Address
- MAC Address
- System Name
- System Contact
- System Location
- Trap Forward IP: Utility can forward the trap coming from the PDU to the given IP.
- Syslog Forward IP: Utility can send the log to the given IP which is syslog server.

■ General Information:

Indicate the detected information from total PDU device and attached device, Including

- Firmware Version
- Temperature
- Humidity
- Total Current: If this IP lists more than one PDU, utility can provide the function to accumulate all the current consumption under this IP.
- Device Warning: The warning threshold for all the current consumption under this IP.
- Device Critical: The critical threshold for all the current consumption under this IP.



The connected PDU information included:

- **Icon**:
  Indicate the PDU status by different icon.

- **ID:**
  The identification of PDU.

- **Name:**
  The name of PDU

- **Status:**
  Indicate the communication status with PDU Utility.
  - Normal: The PDU Utility communicates with PDU normally.
  - Querying: The PDU Utility is requesting data from the PDU.
  - Communication Lost: The PDU Utility can not get data from the PDU.
  - Warning: The power consumption of PDU exceeds the threshold of warning.
  - Overload: The power consumption of PDU exceeds the threshold of overload.

- **Current:**
  The PDU power consumption.

- **Time:**
  The current time.

- **Warning Current**
  Display the setting of PDU for warning threshold.

- **Overload Current**
  Display the setting of PDU for overload threshold.

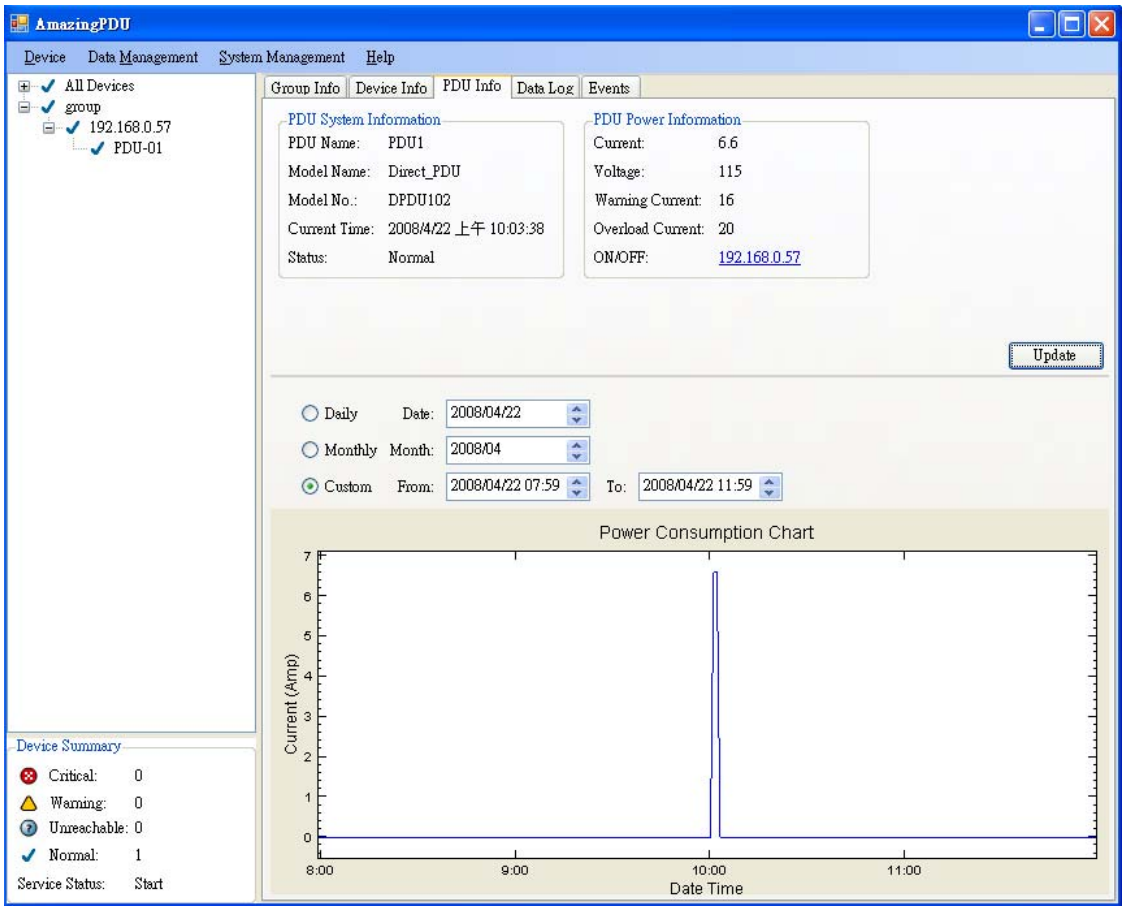
3. PDU Information:

■ PDU System Information:

Provide the PDU information and status.

■ PDU Power Information:

Provide PDU power information; if the PDU support outlet control, you can click the hyperlink and enter to the PDU web page to control the outlet.

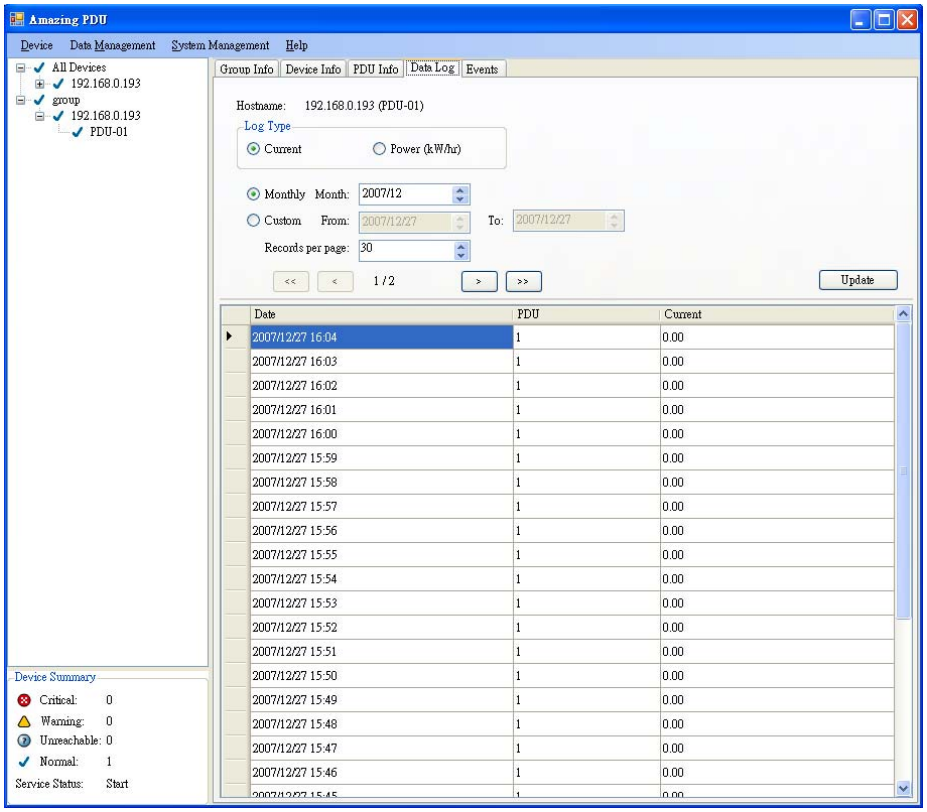


■ Power Consumption Chart:

Provide the chart for the PDU power consumption record. Administrator can check the record by Daily, Monthly, Custom-defined time period.

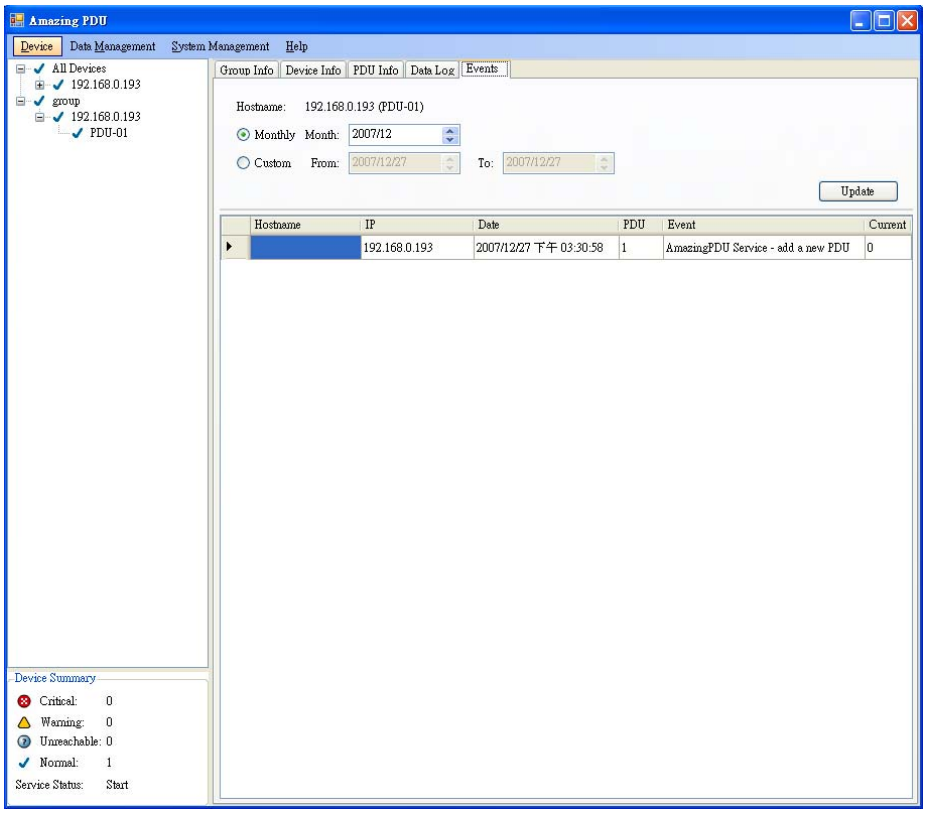
4. Data Log:

Provide PDU current data and power record.



5. Events:

Provide events log.



4. Remarks

I. Please read this operation manual carefully before operating the device.

II. To prevent potential power damage do not use 2-wire extension cords. Ensure DC outlets at PCs and displays are on the same phase and have correct and common grounding.

III. Limited Warranty:

(1) In no events shall the vendor's liability for direct or indirect, special, incidental or consequential damages, loss of profit, loss of business, or financial loss which hay be caused by the use of the product exceeds the price paid for the product.

(2) The vendor makes no warranty or representation, expressed or implied with respect to the contents or use of this documentation, and especially disclaims its quality, performance, merchantability, or fitness for any particular purpose.

(3) The vendor also reserves the right to revise or update the product or documentation without obligation to notify any user of such revisions or updates. For further information please contact your vendor.

5. Notice

1. All other company or product names mentioned herein are trademarks or registered trademarks of their respective companies.
2. Specifications are subject to change without notice.
3. Please read user manual carefully before operating the device
4. Please use the power adaptor accompanied with this product. Warranty does not cover for damages caused by pairing other power adaptor
5. Please check all connecting devices are properly grounded to avoid electric failure
6. This product has limited warranty for one year from defects in material and workmanship. Items that are physically damaged, misused, tempered with or altered are void of warranty. For further details please contact your distributor. In case warranty sticker is damaged or missing, warranty is void. For further details please contact your distributor.