Essentials Manual of UPSViewer

1.1 (first step)

Connect UPSViewer to the computer via RJ45 network cable.



1.2 (Second step)

Before logging in, make sure that UPSViewer and the computer are on the same network. When the UPSViewer IP and the computer IP are not in the same network, you can use the following methods to set or view. For Windows10 system, the process of viewing IP information and setting IP is as follows: (same for other Windows operating systems)

[Control Panel] \rightarrow [Network and Internet] \rightarrow [Network Connection.]

| ● 蘇用此网络设备 診 | 断这个连接 | [命名此连接 | 查看此连接的状态 | 更改此连接的设置 | | | |
|--|--------|-----------------------------------|------------------------|--|--|--|--------|
| Aventail VPN Connection 已新开连接 Aventail VPN Adapter | | Bluetooth 网 已禁用 Bluetooth 该 | 3諸连接 2 2音(个人区域网) #2 | VMware Network Adapter VMnet1 章 本地连接 届性 | | Internet 协议版本 4 (TCP/IPv4) | 層性 2 |
| Ymmel Yetwork Adap 水mel A 本記的時間 天氏病後注意 3 日朝明 Microsoft Virtual WiFi N | inipor | invt.cn Intel(R) Ethe | rnet Connection (4 | PS語 共享 注相が使用: ■ Intal (3) Ithernet Connection 此注推使用下列项目 (0): ■ Uncreaset 阿倍常戸端 ■ Submit View Bridge Froided) ■ Submit View Bridge Froided) ■ Submit View Bridge Conference ■ Submit View B | (4) 1219-1月 配置 (2) (共享 (5) (5) (5) (5) (5) (5) (5) (5) (5) (5) | 常規 空間所は支持は力能。回可以! 注意要見/目標系統管理気公式 自助原得 IT 地址(0) 使用下面的 IT 地址(0) 使用下面的 IT 地址(0) 不時積码(0): 我以母女(0): 自动原得 INS 服务器/ 自动原用 SMS名/ | |
| | | | | 描述 TCP/IP。该协议是默认的广域网络批 的相互连接的网络上的通讯。 | 议,它提供在不同 | 备用 INS 服务器(A): | 高級 (2) |

- ① Right-click on the local connection and select 'Properties';
- Select Internet Protocol Version 4 (TCP/IPv4) and click Properties;
- ③ View or set IPv4 information.

1.3 (third step)

Click the icon to open the search software (no need to install and click the icon to run the program).

| 名称 | 修改日期 | 类型 | 大小 |
|---------------------|-----------------|--------|-----------|
| 📙 bearer | 2021/2/22 9:00 | 文件夹 | |
| 📙 iconengines | 2021/2/22 9:00 | 文件夹 | |
| 📕 imageformats | 2021/2/22 9:00 | 文件夹 | |
| 📕 platforms | 2021/2/22 9:00 | 文件夹 | |
| styles | 2021/2/22 9:00 | 文件夹 | |
| translations | 2021/2/22 9:00 | 文件夹 | |
| D3Dcompiler_47.dll | 2014/3/11 18:54 | 应用程序扩展 | 3,386 KB |
| 🗟 libEGL.dll | 2018/6/15 22:54 | 应用程序扩展 | 22 KB |
| libgcc_s_dw2-1.dll | 2015/12/29 6:25 | 应用程序扩展 | 118 KB |
| libGLESV2.dll | 2018/6/15 22:54 | 应用程序扩展 | 2,742 KB |
| libstdc++-6.dll | 2015/12/29 6:25 | 应用程序扩展 | 1,505 KB |
| libwinpthread-1.dll | 2015/12/29 6:25 | 应用程序扩展 | 78 KB |
| 🗟 opengl32sw.dll | 2016/6/14 21:08 | 应用程序扩展 | 15,621 KB |
| Qt5Core.dll | 2021/2/20 10:05 | 应用程序扩展 | 6,069 KB |
| 🗟 Qt5Gui.dll | 2018/6/15 22:59 | 应用程序扩展 | 6,339 KB |
| Qt5Network.dll | | 应用程序扩展 | 1,765 KB |
| Qt5Svg.dll | 2018/6/15 23:15 | 应用程序扩展 | 352 KB |
| Qt5Widgets.dll | 2018/6/15 23:03 | 应用程序扩展 | 6,108 KB |
| ≫ SearchClient | 2021/2/20 9:55 | 应用程序 | 1,288 KB |

1.4 (the fourth step)

Open UPSViewer management webpage .

note: UPSViewer and the computer must be in the same network.

| 🥬 IpSearch | | | – 🗆 🗙 |
|-------------------|---|--------------------------------------|-----------------|
| Chinese 🔄 English | Search L | AN IP of onl | ine devices |
| aunch Web | Туре | MAC Address | IP Address |
| | | 38:81:D7:EA:66:B6 | 172.16.194.65 |
| Net Settings | | | |
| Upgrade | | | |
| | < | | > |
| About | Hardware Versi Soft Version: | on: v1.0 v1.0 | Select 1 of 1 📥 |
| Refresh | Device Type: si MAC Address: Protocol Type: | ллр∪ага 38:81:D7:EA:66:B6 dhcp | I |

1.5 (the fifth step)

Set up UPS communication. After opening the web page, you will find an alarm message stating "UPS-Comm Fail". At this time, communication settings are required. (If the communication is successful, skip the step).



1.5.1 Monitor single-phase UPSViewer

> How to connect the Single-phase UPS?



1 On the UPSViewer webpage:

| invt | A ⁰ A ⁰ | | | 2021/0 | 02/20 11:29:40 Admin admin Logout |
|------------------------------|---|--------------------|------------------|--------------------|--|
| 🟠 Overview | | | | | |
| UPS | | | | Search | Device Add Apply |
| 🔗 Expansion Equipment | | | | | |
| 🔿 Alarm Management | UPS | Modbus Address | Protocol | Madbus Made | Control |
| Data Management | 1 | 1 | Invt | ASCII | Edit |
| 🖉 Settings | | | | I | |
| Monitorin Settings | Temp. & RH% | | | - A V | |
| COM Settings | Delete | | | dbus Mode | Control |
| Device Management | Durite T | une LIDC III | | RTU | Edit/ Delete |
| SNMP Settings | Device 1 | ype OPS Mode | us Address 1 | (1 21/1/105/25.41) | |
| TCP/IP | NO. | Montos Mode | Nus Mada | (1~31[0PS:254]) | |
| Alarm Settings | PIOLOCO | iviegtec • Mode | As Mode Asci | | |
| Email Settings | | | Back | | |
| Time Settings | | | Duck | | |
| | | Successfully | r modified Ok | | |
| | ∆° ∆° | | | 20 | 21/02/20 13:03:08 Admin admin Logout |
| | COM Settings | | | | |
| | | | Baud Rate | Stop Bits | Parity |
| Cxpansion Equipment | Exter | nded Serial Port A | 9600 🗸 | 1Bit 🛩 | None 🗸 |
| Alarm Management | UPS | Communication | 2400 🗸 | 1Bit 🗸 | None 🗸 |
| Data Management Settings | | | Set | | |
| Monitorin Settings | | | | | |
| COM Settings | | | | | |
| Device Management | | | | | |

② On the single-phase UPS control panel:

E.g. HT1103XS: Omit.

1.5.2 Monitor 3-phase UPSViewer

How to connect the 3-phase UPS?



① On the UPSViewer webpage:

| invt | A ⁰ A ⁰ | | | 20 |)21/02/20 11:09:37 Admin admin Logout |
|------------------------|---|-------------------|----------------|-------------------|---|
| Cverview | | | | Se | arch Device Add Apply |
| 🔅 Expansion Equipment | LIPS | | | | |
| \land Alarm Management | ID | Modbus Address | Protocol | Modbus Mode | Control |
| Data Management | 1 | 1 | Invt | ASCII | 2 Edit |
| ② Settings | | | | | |
| Monitorin Settings | Temp. & RH% | | | - Ax | |
| COM Settings | Delete | | | dbus Mode | Control |
| Device Management 1 | | | | RTU | Edit/ Delete |
| SNMP Settings | Sevice T | ype UPS | | | |
| TCP/IP | NO. | 1 Modł | ous Address 1 | (1 ~ 31[UPS:254]) | |
| Alarm Settings | Protocol | Invt 🗹 Mode | ous Mode ASCII | | |
| Email Settings | | | | | |
| SMS Settings | | <mark>4</mark> ok | Back | | |
| Time Settings | | | | | |
| | | Successfully i | nodified Ok | | |
| invt | ▲° ▲° | | | 20 | 021/02/20 11:22:21 Admin admin Logout |
| 🟠 Overview | | | | | |
| UPS | COM Settings | | David Dat- | Ctop Dit- | Davity |
| 🔅 Expansion Equipment | Eutonal | ad Sarial Port A | 9600 N | 1 Bit | None |
| Alarm Management | LIDE C | ommunication | 9600 ¥ | 1Bit V | None |
| Data Management | 0,30 | ommunication | 3000 • | TDIC + | |
| Settings | | | Set | | |
| Monitorin Settings | | | | | |
| COM Settings | | | | | |
| Device Management | | | | | |

② On the 3-phase UPS control panel:

E.g. RM030/10X:

| | Device | Address 1 | DATE & TIME |
|--|-----------------------|-------------|----------------|
| RS2 | 32 Protocol Selection | 1 | |
| SNT 310 | dbus DWin | YD/T | LANGUAGE |
| | Baudrate | - | Сомм |
| 1200 2400 | 4800 49600 | 14400 19200 | |
| Contraction of the local division of the loc | And the second second | | USER |
| | ng is only needed for | Modbus | BATTERY |
| - | Modbus Mode | | DATTERT |
| 5 | SCII RTU | | SERVICE |
| | Modbus Parity | | |
| 6 None | Odd | Even | RATE |
| | Please Confirm S | ettings 🛛 | CONFIGURE |
| 合 | | | |
| Hornel Cabinder | Modulai Setting | Log o | partite Becque |

$[Setting] \rightarrow [COMM.]$

① Read the "Device Address", fill in the Modbus address column of the UPSViewer webpage, and select "Modbus" in the 'R232 port protocol selection';

(2) 'Baud rate' selection: "9600". (Must be consistent with the UPSViewer webpage);

③ 'Modbus Mode' selection: "ASCII". (Must be consistent with the UPSViewer webpage);

(4) 'Modbus Parity' selection: "None". (Must be consistent with the management page);

(5) Select **(1)** to confirm the settings.

1.6 (Step 6 Optional equipment)

1.6.1 Temperature and Humidity Sensor

Hardware connection:

Use the RJ45 network cable to connect the RS485 port of the temperature and humidity sensor to the COMM port of UPSViewer, and check whether the LCD interface of the temperature and humidity sensor is on and whether there is temperature and humidity information. If so, the connection is successful. As shown below:



The detailed operation process is as follows:

(1) Set the baud rate to "9600", [Settings] \rightarrow [COM Settings] \rightarrow "Extended Serial Port A" baud rate to 9600, and click the [Set] button to save the settings. As shown below



(2) [Setting] \rightarrow [Device Management] \rightarrow [Add]

| invt | ▲° ▲° | | | 202 | 1/02/19 13:48:21 Admin admin Logout |
|------------------------|--------------|----------------|----------|-------------|---------------------------------------|
| 🟠 Overview | | | | | |
| UPS UPS | | | | Sear | rch Device Add Apply |
| 🔅 Expansion Equipment | | | | | |
| \land Alarm Management | ID | Modbus Address | Protocol | Modbus Mode | Control |
| Data Management | 1 | 1 | Invt | ASCII | Edit |
| 💮 Settings | | | | | |
| Monitorin Settings | | | | | |
| COM Settings | | | | | |
| Device Management | | | | | |
| SNMP Settings | | | | | |

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| | | | | | đx |
|---------|------------------------|------------------------------|----------------|--|---|
| | | | | | |
| Temp. 8 | & RH% | \checkmark | | | |
| 2 🗸 | | | Modbus Address | 1 | (1 ~ 31[UPS:254]) |
| Invt | ~ | | Modbus Mode | RTU 🔽 | |
| | | | | | |
| | | | Ok Back | | |
| | Temp. a 2 🔽 Invt | Temp. & RH% 2 V Invt V | Temp. & RH% | Temp. & RH% V 2V Modbus Address Invt V Modbus Mode | Temp. & RH% 2 Modbus Address I Invt Modbus Mode RTU Ok Back |

Select RTU mode for Modbus mode.

Note: The Modbus address here is read and filled on the LCD screen of the device. If the address is wrong, it will cause the failure to add the device.



③ Click the 【Apply】 button. So far, manually add the application successfully.

1.6.2 Water Leakage Sensor

Hardware connection:

Use the RJ45 network cable to connect the RS485 port of the Water Leakage Sensor to the COMM port of UPSViewer, and check whether the LCD interface of the temperature and humidity sensor is on and whether there is temperature and humidity information. If so, the connection is successful. As shown below:



The detailed operation process is as follows:

(1) Set the baud rate to "9600", [Settings] \rightarrow [COM Settings] \rightarrow "Extended Serial Port A" baud rate to 9600, and click the [Set] button to save the settings. As shown below



(2) [Setting] \rightarrow [Device Management] \rightarrow [Add]

| invt | ▲° ▲° | | | 202 | 1/02/19 13:48:21 Admin admin Logout |
|-----------------------|--------------|----------------|----------|-------------|---------------------------------------|
| 🕎 Overview | | | | | |
| UPS | | | | Sear | rch Device Add Apply |
| 🔅 Expansion Equipment | | | | | |
| Alarm Management | ID | Modbus Address | Protocol | Modbus Mode | Control |
| Data Management | 1 | 1 | Invt | ASCII | Edit |
| Settings | | | | | |
| Monitorin Settings | | | | | |
| COM Settings | | | | | |
| Device Management | | | | | |
| SNMP Settings | | | | | |

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| | | | | D) |
|-------------|------------------------|----------------|-------|-------------------|
| | | | | |
| Device Type | Water Leakage Sensor 🗸 | | | |
| NO. | \checkmark | Modbus Address | 2 | (1 ~ 31[UPS:254]) |
| Protocol | Invt 🖌 | Modbus Mode | RTU 🔽 | |
| • | | | | |
| | | Ok Back | | |

Select RTU mode for Modbus mode.

Note: The Modbus address here is read and filled on the LCD screen of the device. If the address is wrong, it will cause the failure to add the device.



③ Click the 【Apply】 button. So far, manually add the application successfully.

When there are multiple expansion devices, the Modbus address of the temperature and humidity sensor or the water sensor cannot be the same. If the Modbus address is the same, it will cause communication abnormality.

| Temp. & RH% | | | | | | | | |
|----------------------|----|--|----------------|--|--|--|--|--|
| ⊘ Delete | ID | | Modbus Address | | | | | |
| | 1 | | 2 | | | | | |
| | | | | | | | | |
| Water Leakage Sensor | | | | | | | | |
| Delete | ID | | Modbus Address | | | | | |
| | 1 | | 4 | | | | | |

The Modbus address of the expansion device can be manually set through the DIP switch.

1.6.3 SMS Alarm



Connect the SMS alarm to the COMM port of upsViewer with a network cable.

(1) Set the baud rate to "19200", [Settings] \rightarrow [COM Settings] \rightarrow "Extended Serial Port A" baud rate to 19200, and click the [Set] button to save the settings. As shown below

| invt | ▲° ▲° | | 2021/ | 02/24 13:35:25 Admin admin Logout |
|-----------------------|------------------------|-----------|-----------|-------------------------------------|
| 🟠 Overview | | | | |
| 🗐 UPS | COM Settings | | | |
| 🐵 Expansion Equipment | | Baud Rate | Stop Bits | Parity |
| Alarm Management | Extended Serial Port A | 19200 🗸 | 1Bit 🖌 | None 🗹 |
| Data Management | UPS Communication | 9600 💌 | 1Bit 🖌 | None 🗹 |
| Settings | | Set | | |
| Monitorin Settings | | | | |
| COM Settings | T | | | |

② [Setting] → [Device Management] → [Add]

| invt | ▲° ▲° | | | 202 | 1/02/19 13:48:21 Admin admin Logout |
|---------------------|-------------------|----------------|----------|-------------|---------------------------------------|
| 谷 Overview | Device Management | | | Sear | ch Device Add Apply |
| Expansion Equipment | UPS | | | | |
| Alarm Management | ID | Modbus Address | Protocol | Modbus Mode | Control |
| 🗎 Data Management | 1 | 1 | Invt | ASCII | Edit |
| Settings | | | | | |
| Monitorin Settings | | | | | |
| COM Settings | | | | | |
| Device Management | | | | | |
| SNMP Settings | | | | | |
| | | | | | |
| | | | | | |

| invt | A ⁰ A ⁰ | | | | | |
|---------------------|---|------------|----------------|-----------------|-----------------|------------------------|
| 🟠 Overview | | | | | | |
| UPS | | | | | S | earch Device Add Apply |
| Expansion Equipment | LIDC | | | | | |
| 🛆 Alarm Management | ID | | Modbus Address | Protocol | Modbus Mode | Control |
| 🖯 Data Management | 1 | | 1 | Invt | ASCII | Edit |
| 🔅 Settings | | | | | | |
| Monitorin Settings | | | | | đΧ | |
| COM Settings | | | | | - ~ | |
| Device Management | | Dovico Tur | SMS Alarm | | | |
| SNMP Settings | | NO | | Madhus Address | (1 210 00:2540) | |
| TCP/IP | | NO. | | Modbus Address | (1~31[0PS:254]) | |
| Alarm Settings | | Protocol | Invt 🗸 | Modbus Mode RTU | | |
| Email Settings | | | | | | |
| SMS Settings | | | | Ok Back | | |
| Time Settings | | | | | | |
| | | | | | | |

③ Enter the corresponding information in the pop-up information input box, and click the 【OK】 button.

| invt | A ⁰ A ⁰ | | | 20 | 021/02/19 13:57:47 Admin admin Logout |
|--|---|----------------|----------|----------------------|---|
| Cverview | Device Management | | | Sea | arch Device Add Apply |
| Expansion Equipment Alarm Management | UPS | | | | |
| Data Management | 1 | Modbus Address | Protocol | Modbus Mode ASCII | Edit |
| Settings Settings | | √ | | | |
| Monitorin Settings | SMS Alarm | | × | Protocol | Control |
| COM Settings | | | Applied | Invt | Edit/ Delete |
| SNMP Settings | | | Ok | | |
| TCP/IP | | | | | |
| Alarm Settings | | | | | |
| SMS Settings | | | | | |
| Time Settings | | | | | |
| Language Settings | | | | | |
| IOT Settings | | | | | |
| Config Settings | | | | | |
| Factory Reset | | | | | |
| ⑦ Support | | | | | |

④ Click the 【Apply】 button. So far, manually add the application successfully.

(5) Enter the [Expansion Equipment] \rightarrow [SMS Alarm] page to check whether the communication is normal;

| invt | ▲° ▲° | | | | 2021/02/23 16:12:35 Admin admin Logout |
|-----------------------|--------------------|---------------|---------------|--|--|
| 🟠 Overview | | | | Normal | |
| 🗐 UPS | | | | | |
| 🔅 Expansion Equipment | | | | | |
| SMS Alarm | | | | | |
| Alarm Management | | | | | |
| Data Management | SMS Settings | | | | |
| 🔅 Settings | | Cur. Value | Set Value | | |
| ⑦ Support | SMS Center Number | +316540942002 | +316540942002 | *For example: the international prefix number - cell phone | |
| | | | | Set | |
| | Device Information | | | | |
| | Note | | | | |
| | Set | | | | |

⁽⁶⁾ Under normal communication conditions, check if there is a SMS center number.

Note: By default, if you insert different operators, there will be a corresponding SMS center number by default. If not, manually fill in the SMS center number that the card matches. The SMS alarm signal is best to be above 3 bars to ensure that the SMS can be sent out in time.

| invt | ▲° ▲° | | | 2021/02/ | /23 13:22:00 Admin admin Logout |
|--------------------------|--------------|---|-------------|----------|-----------------------------------|
| 🟠 Overview | | | | | |
| 🗐 UPS | SMS Settings | | | | |
| Expansion Equipment | | | | | Add |
| \Lambda Alarm Management | Cell Phone1 | + | Call Enable | Event | Delete |
| Data Management | Cell Phone2 | + | Call Enable | Event | Delete |
| 🔅 Settings | | | | | |
| Monitorin Settings | | | Set | | |
| COM Settings | | | | |) |
| Device Management | | | | | |
| SNMP Settings | | | | | |
| TCP/IP | | | | | |
| Alarm Settings | | | | | |
| Email Settings | | | | | |
| SMS Settings | | | | | |
| Time Settings | | | | | |

Users can customize the alarm events to be sent.

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| invt | ▲° ▲° | | | 2021/02/ | 23 16:17:12 Admin admin Logo |
|-----------------------|--------------|----------------|--------------|----------|--------------------------------|
| 🟠 Overview | | | | | |
| | SMS Settings | | | | |
| 🔅 Expansion Equipment | | | | | Add |
| 🛆 Alarm Management | Cell Phone1 | +8615917706933 | ☑Call Enable | Event | Delete |
| 🖯 Data Management | | | _ | | |
| Settings | | | Set | | |
| Monitorin Settings | | | | | |
| COM Settings | | | | | |
| Device Management | | | | | |
| SNMP Settings | | | | | |
| TCP/IP | | | | | |
| Alarm Settings | | | | | |
| Email Settings | | | | | |
| SMS Settings | | | | | |
| Time Settings | | | | | |

① Click the "Add" button. If there is no such requirement, you can ignore this step (supports up to 20 mobile phone numbers);

② Fill in the recipient's phone number;

③ Click the "Event" on the right of the recipient in step.

④ Check the events that need to trigger the sending of SMS. After checking, you must click the in the upper right corner to close.

1.7 System Upgrade

 $[Support] \rightarrow [System Upgrade]$

[System upgrade] Provide UPSViewer system upgrade port.

| invt | Δ° Δ° | 2021/02/24 11:11:26 Admin admin Logout |
|-----------------------------|---|--|
| 🟠 Overview | | |
| UPS UPS | System Upgrade *When the update has successfully completed report your system | |
| 🔅 Expansion Equipment | *Upload File Type: *.bin | |
| 🛆 Alarm Management | Select File Upload | |
| Data Management | |) |
| Settings | | |
| Support | | |
| Support | | |
| System Upgrade | | |

Note: After the upgrade, the UPSViewer system will restart and you need to log in to the web page again.