



Turn to the experts



Operation & Installation Manual

MODEL NAME

40VCB117FQEE

No. 0150545715

Edition: 2021-04





Turn to the experts

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BMS system transfers the data of an air conditioner to the computer through the inverter protocol adapter (gateway). The user can monitor the working state of the indoor and the outdoor unit in real time using the computer. Set the parameter of the system in time; start or stop indoor units individually, or in the group as required. Receive alarms and take some measures in real time.

Appliances required for 40VCB117FQEE system

1. Gateway: Convert the protocol of the air conditioning system to 485 protocol.
2. Software: Enable the AC parameters to be seen and controlled by the computer. Each computer can install only one set of software.
3. Adapter: USB to RS-485, convert 485 to USB.
4. Gateway: 40VCCR17FQEE, 40VCBM17FQEE.

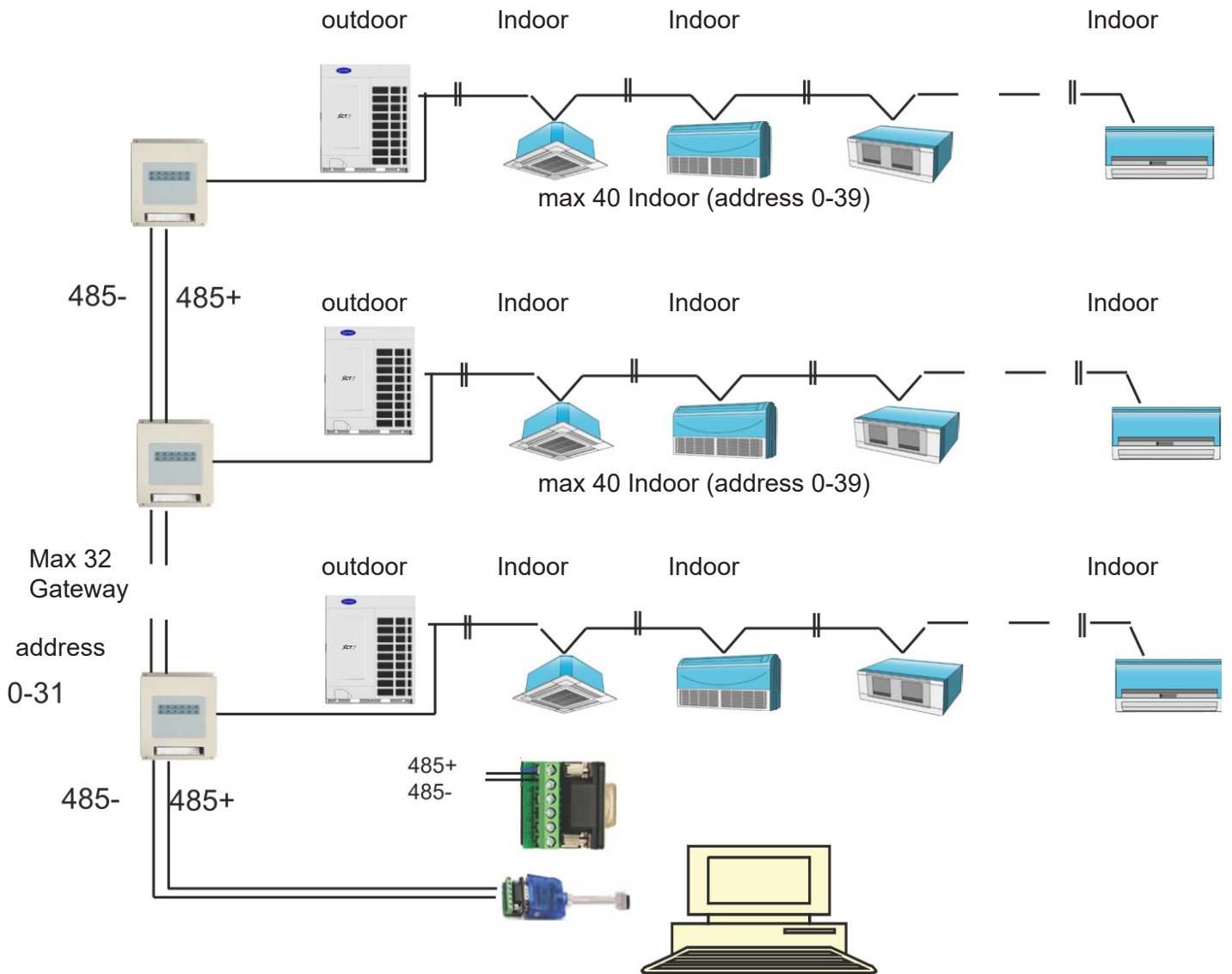
Controllable scale

1. Maximum 40 (0-39) indoor units can connect to one cooling system.
2. Each cooling system requires one protocol adapter and one gateway.
3. Maximum of 32 gateways can be connected to one set of software. Maximum 512 indoor units can be controlled by one set of software.
4. While installing the software, the system will control either 32 gateways or 512 indoor units, maximum at a time. it blocks further addition of gateways or indoor units to the system.

For example,

- The software (40VCB117FQEE) has been connected to 32 gateways and 200 indoor units. No more gateway can be added.
- The software (40VCB117FQEE) has been connected to 512 indoor units and 20 gateways. No more indoor units can be added, though the software can still add 12 more gateways.

System Wiring Diagram

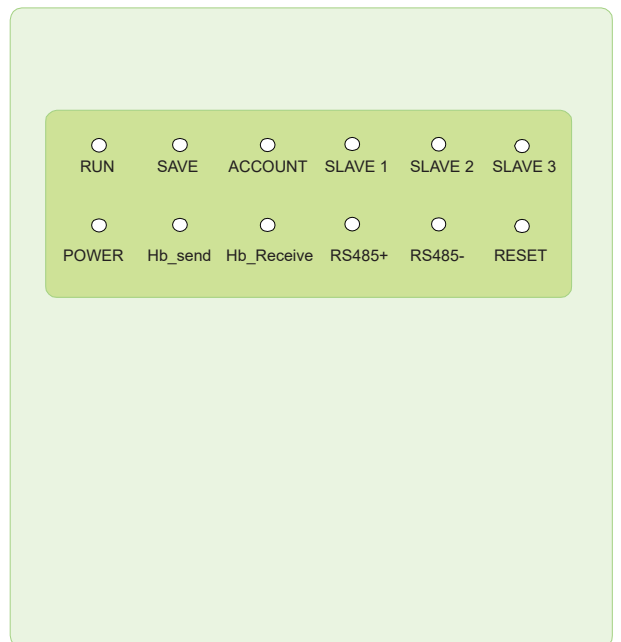


Appearance and dimension of protocol adapter

Appearance:



Dimension: 200*130*43(mm)



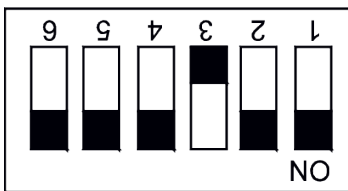
Wiring request

1. The protocol adapter needs a 220V AC power supply.
2. The communication line between the indoor and the outdoor unit and the bus line 485 amongst the protocol adapters should be passed through the steel wire sleeve in the H-CACSII.
3. The indoor central address and the indoor/outdoor unit address should be set manually.
4. The system with H-CACSII should not set the group function of the wired controller.

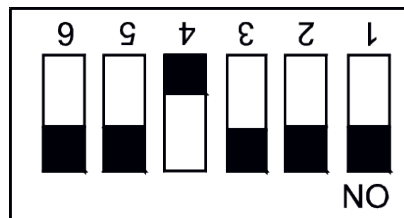
Dip switch setting:

ON: 0; OFF: 1

Left 4

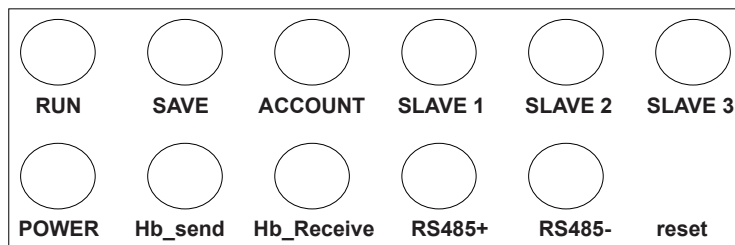


Right 8



Shows address of 40VCBM17FQEE, address range: 1-32.

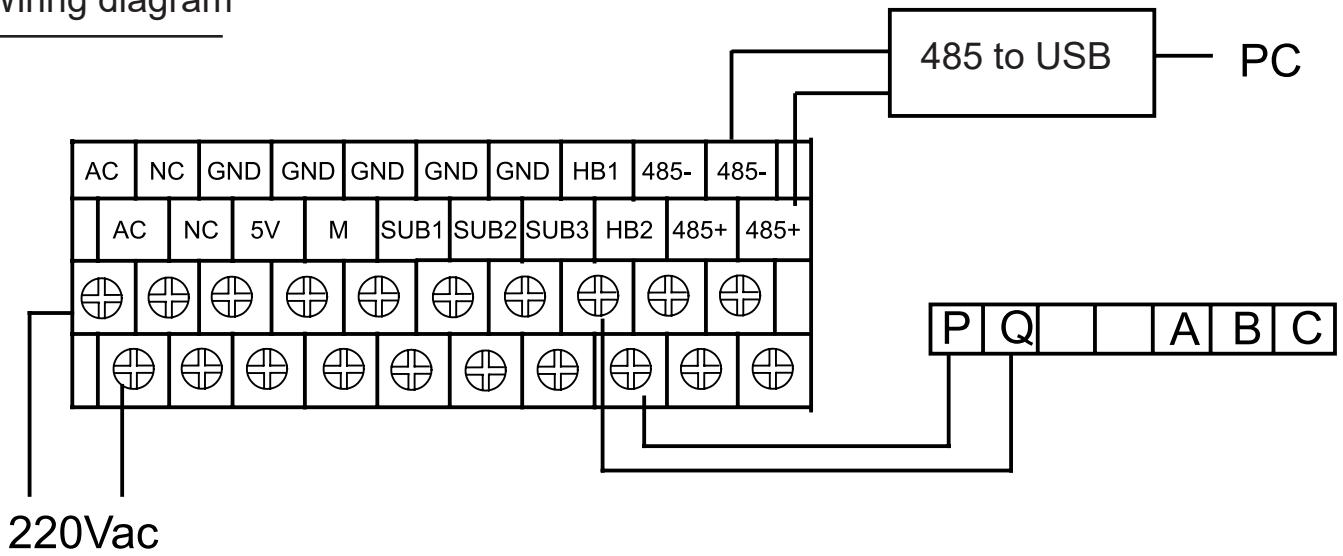
Communication lamp definition:



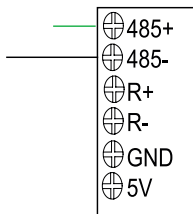
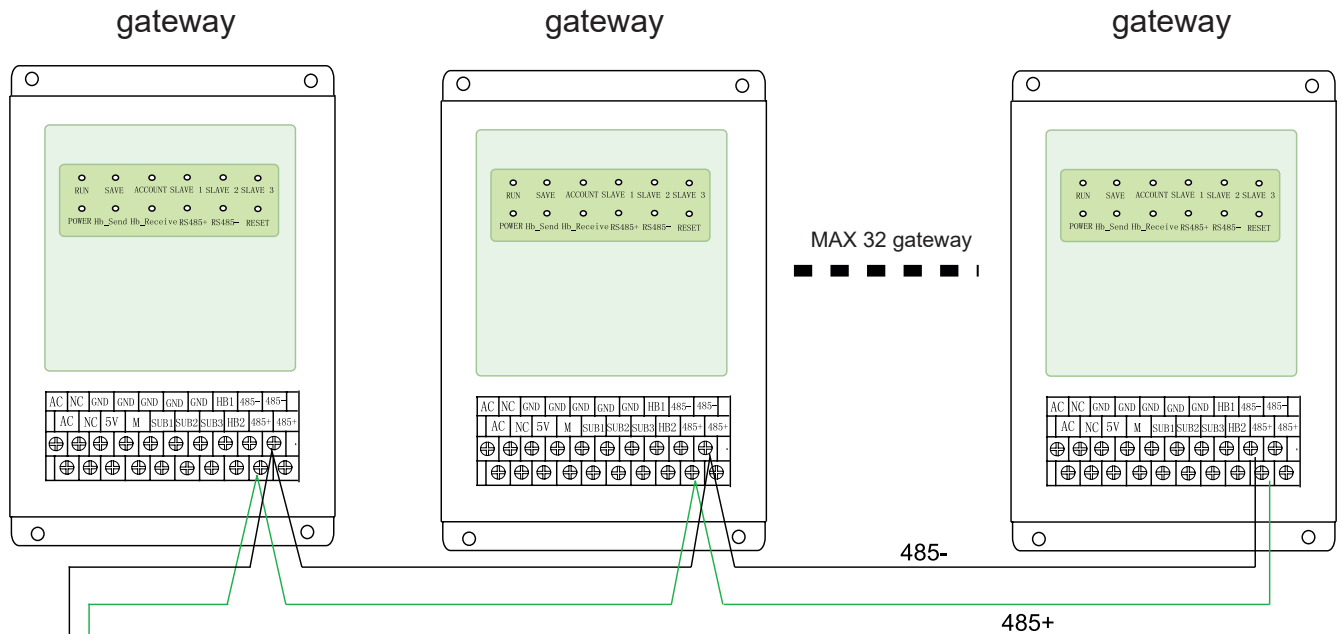
System Wiring Diagram



Wiring diagram



220Vac

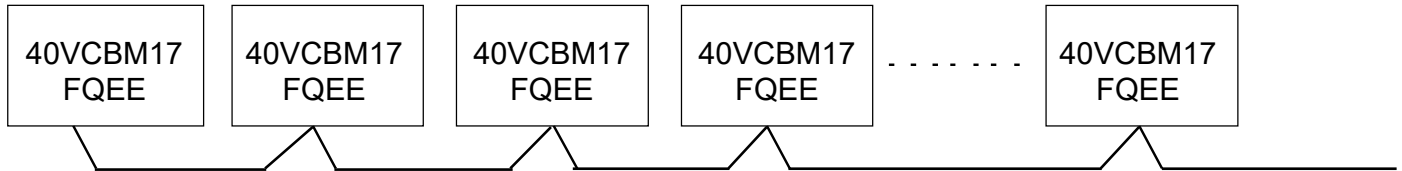


Adapter: RS-485 to USB



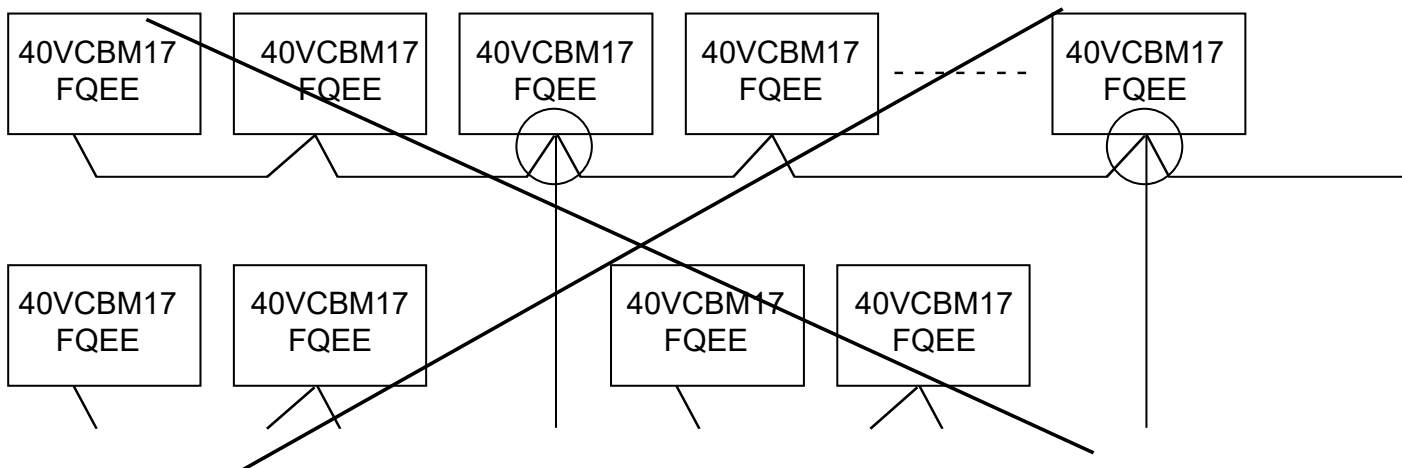
Wiring:

1. Power supply wires: 220V AC, 50Hz.
Use the requested specifications and fix it firmly.
2. Communication wires:
Wires between 40VCBM17FQEE should use two polarity wires and a loop connection.



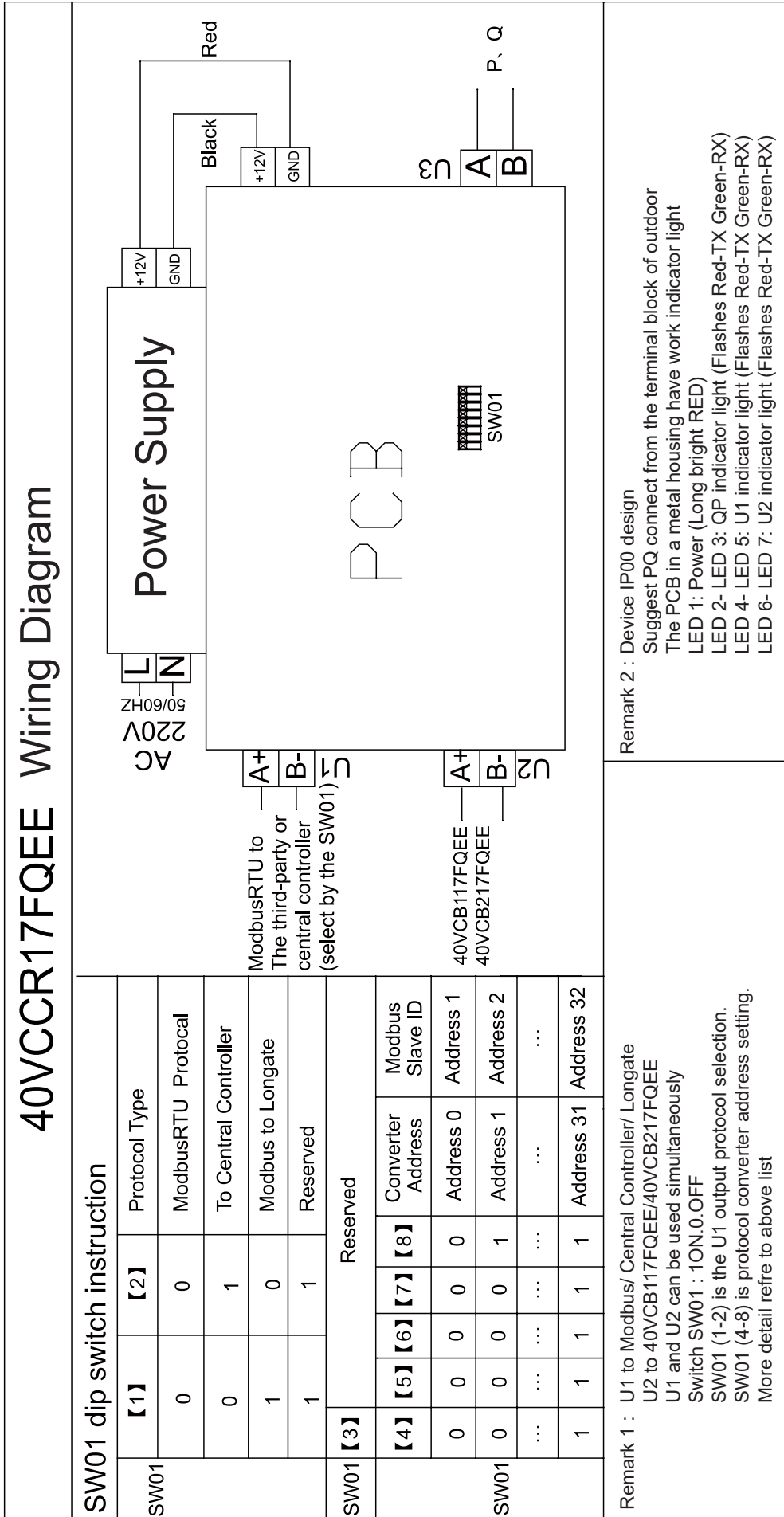
Warning:

The following connections (have interconnection) are not allowed:



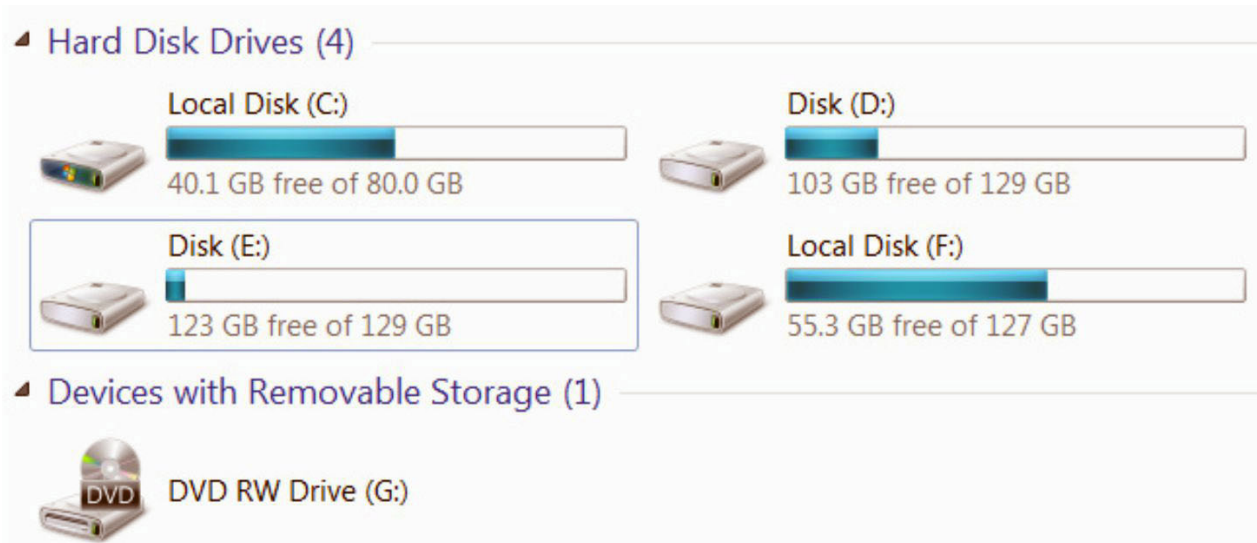
Notes :

- (1) Communication wires between 40VCBM17FQEE & 40VCBM17FQEE should use twin-core shielding wires and need to connect to the earth.
 - (2) The iron wire sleeve should be used to install the communication wires and should be separate from power wires.
 - (3) Communication wires are polarity sensitive
 - (4) Total length of communication wires should be 500m maximum.
3. Maximum 40 sets of indoor units should be used in each outdoor system;
 4. While using 40VCBM17FQEE, set the address of the indoor units manually from No.0 to the last one in each set of the outdoor unit system. Keep the same address of the indoor & outdoor unit (sw03) and the central address (sw02) of the same indoor unit.
 5. The line between the indoor and the outdoor unit, the line between gateway and gateway and the pulse line should be at least 20cm away from high voltage line.



Install the database

1. Insert the disc into the CD-ROM. Double click on the icon (as shown):



2. The disc contains several driver files for different computer systems.

Name	Date modified	Type
Linux x64 (64-bit)	2016/4/19 16:36	File folder
Linux x86 (32-bit)	2016/4/19 16:36	File folder
Linux x86_64	2016/4/19 16:36	File folder
Mac OS 8 9	2016/4/19 16:36	File folder
Mac OS X 10.9 and above	2016/4/19 16:36	File folder
uninstall software	2016/4/19 16:36	File folder
win xp server2003 2008 2012 Vista 7 8 8.1 10 32-64bit	2016/4/19 16:36	File folder
win98 ME	2016/4/19 16:36	File folder
Date created: 2016/10/9 17:28 Size: 656 KB Folders: 232, 2232	2016/4/19 16:36	File folder
Windows CE 4.2-5.2 Mobile 5 6 PocketPC 2003 ARM XScale Processor	2016/4/19 16:36	File folder
Windows CE 6.0 ARM XScale Processor	2016/4/19 16:36	File folder
Windows CE 6.0 x86 Processor	2016/4/19 16:36	File folder
Windows CE 2013	2016/4/19 16:36	File folder
LINUX README.txt	2016/4/19 16:36	Text Document

3. Choose the corresponding driver to your computer. For e.g. take win7 32bits. Double click



and it will show

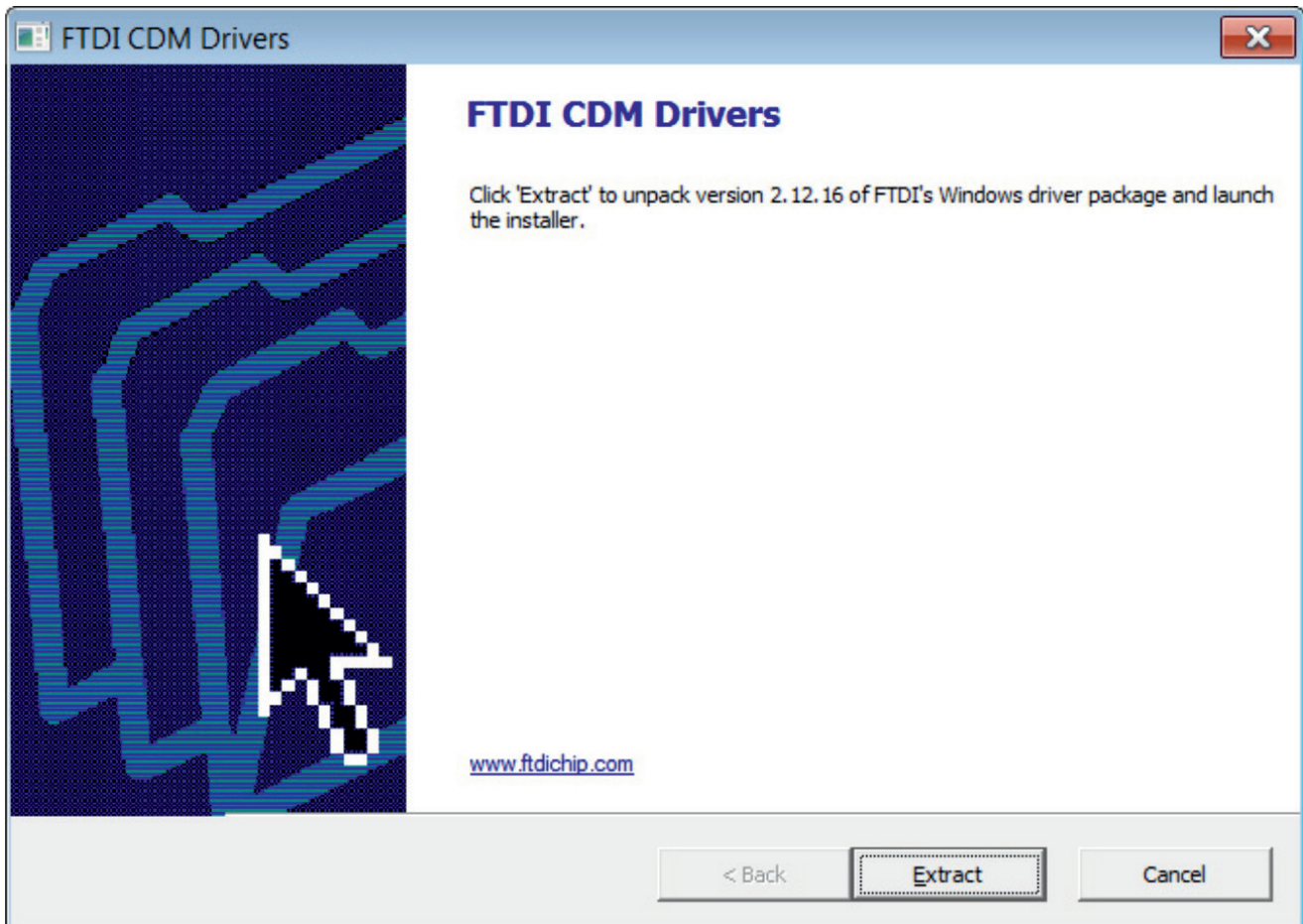
amd64	2016/4/19 16:36	File folder	
i386	2016/4/19 16:36	File folder	
Static	2016/4/19 16:36	File folder	
CDM 2 12 16 Release Info.rtf	2016/4/19 16:36	RTF 格式	216 KB
CDM v2.12.16 WHQL Certified.zip	2016/4/19 16:36	好压 ZIP 压缩文件	1,322 KB
CDM21216_Setup.exe	2016/4/19 16:36	Application	2,075 KB
CDM21216_Setup.rar	2016/4/19 16:36	好压 RAR 压缩文件	2,021 KB
ftd2xx.h	2016/4/19 16:36	H File	40 KB
ftdibus.cat	2016/4/19 16:36	Security Catalog	15 KB
ftdibus.inf	2016/4/19 16:36	Setup Information	18 KB
ftdiport.cat	2016/4/19 16:36	Security Catalog	14 KB
ftdiport.inf	2016/4/19 16:36	Setup Information	15 KB

Type: Security Catalog
Size: 13.3 KB

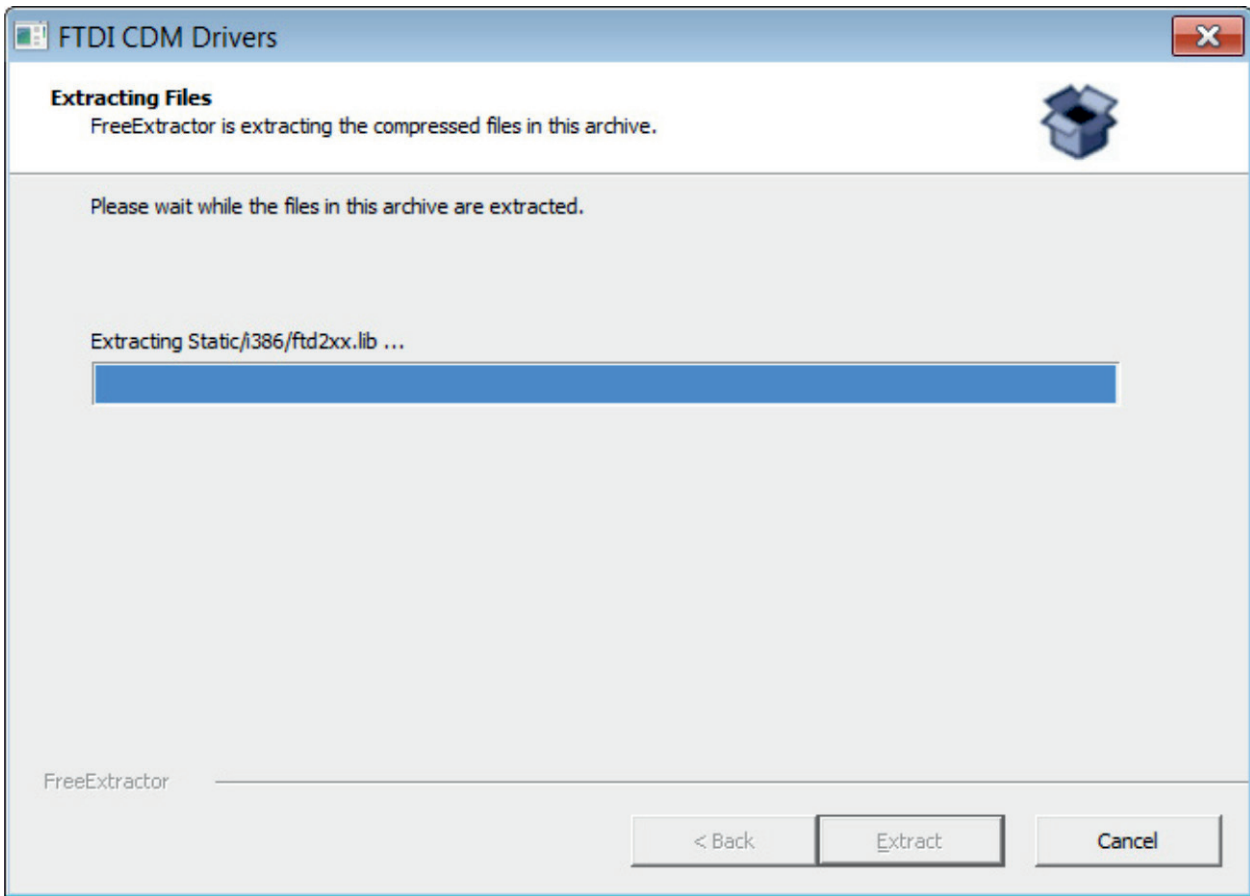
4. Double click on

CDM21216_Setup.exe	2016/4/19 16:36	Application	2,075 KB
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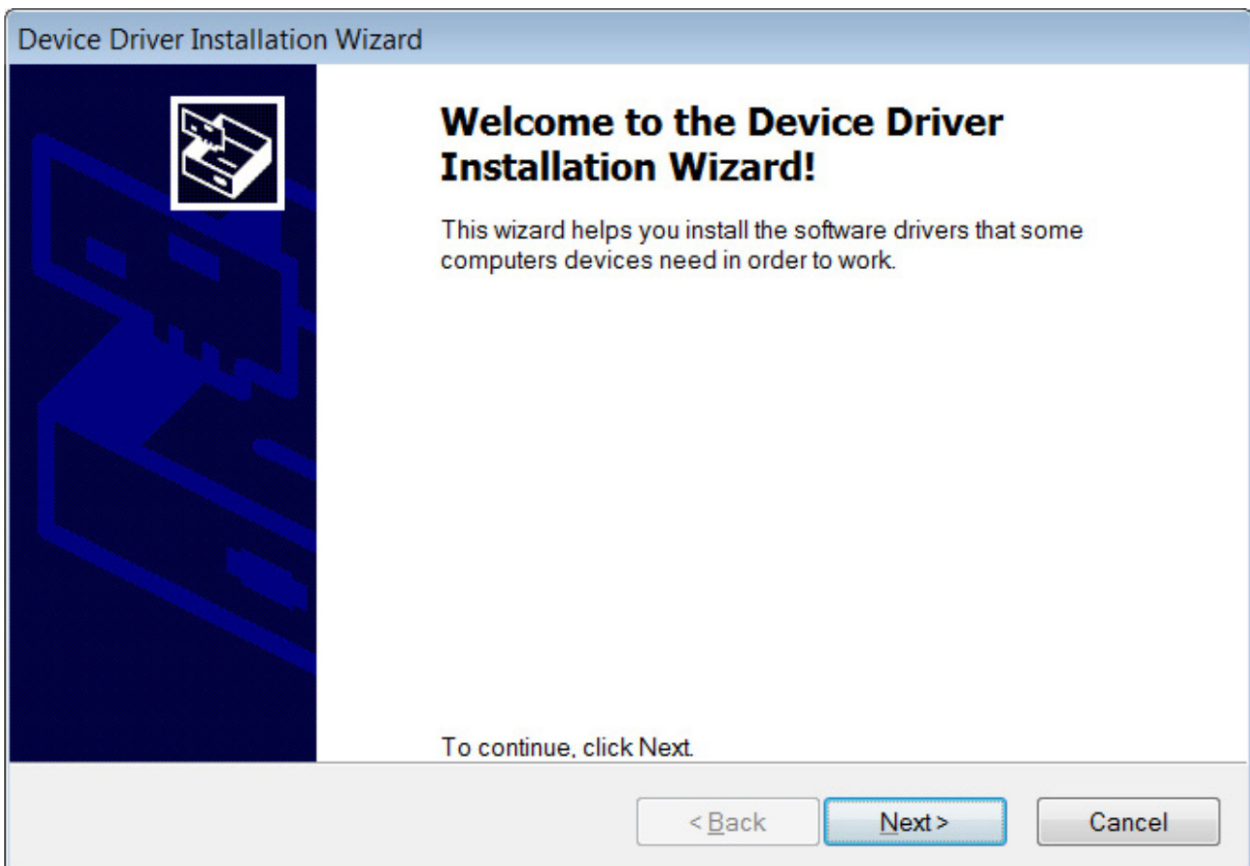
5. The installation starts as follows. Click on the tab 'Extract'



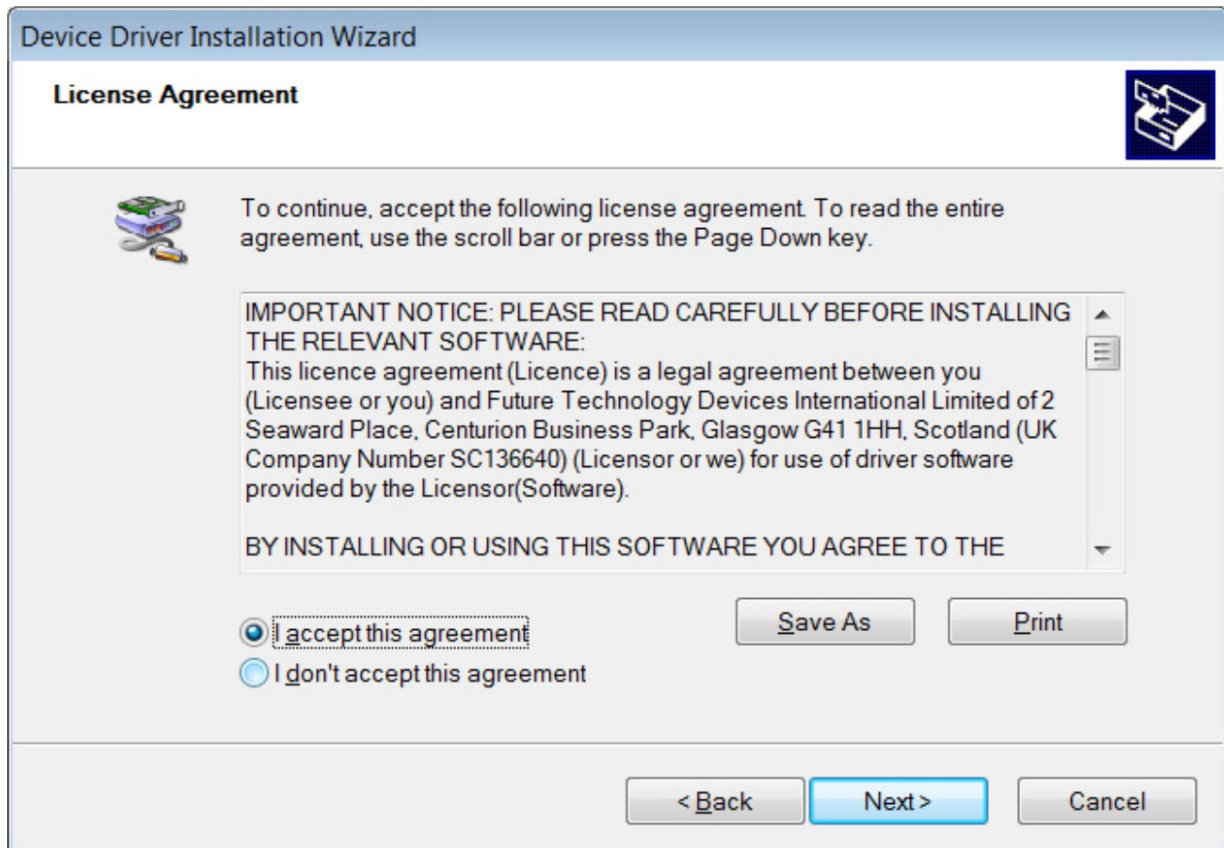
6. Driver installation is in progress



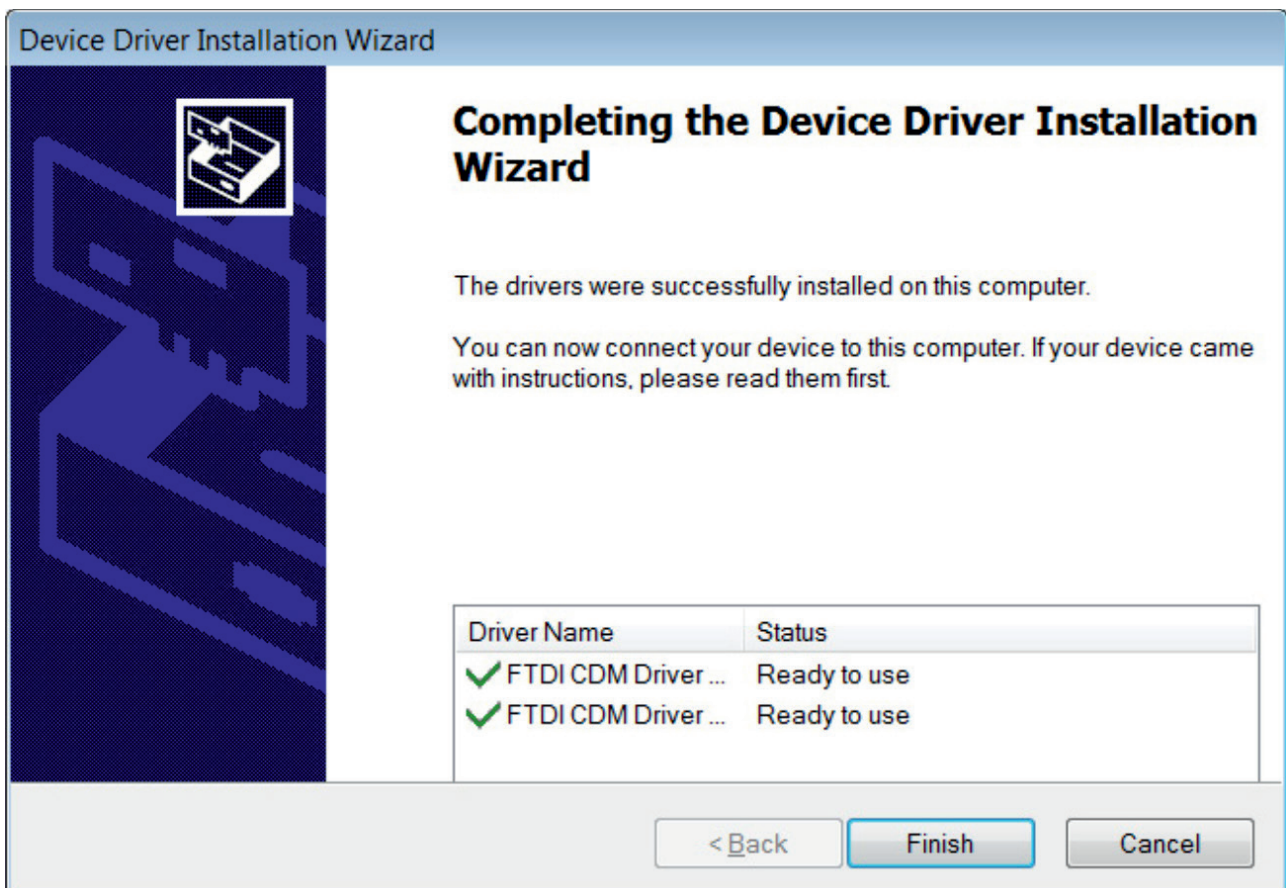
7. Click on the tab 'Next'



8. Click on acept this agreement and then on tab 'Next'

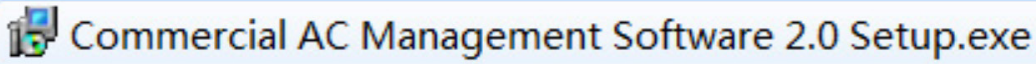


9. Click on the tab 'Finish' after the driver is installed.

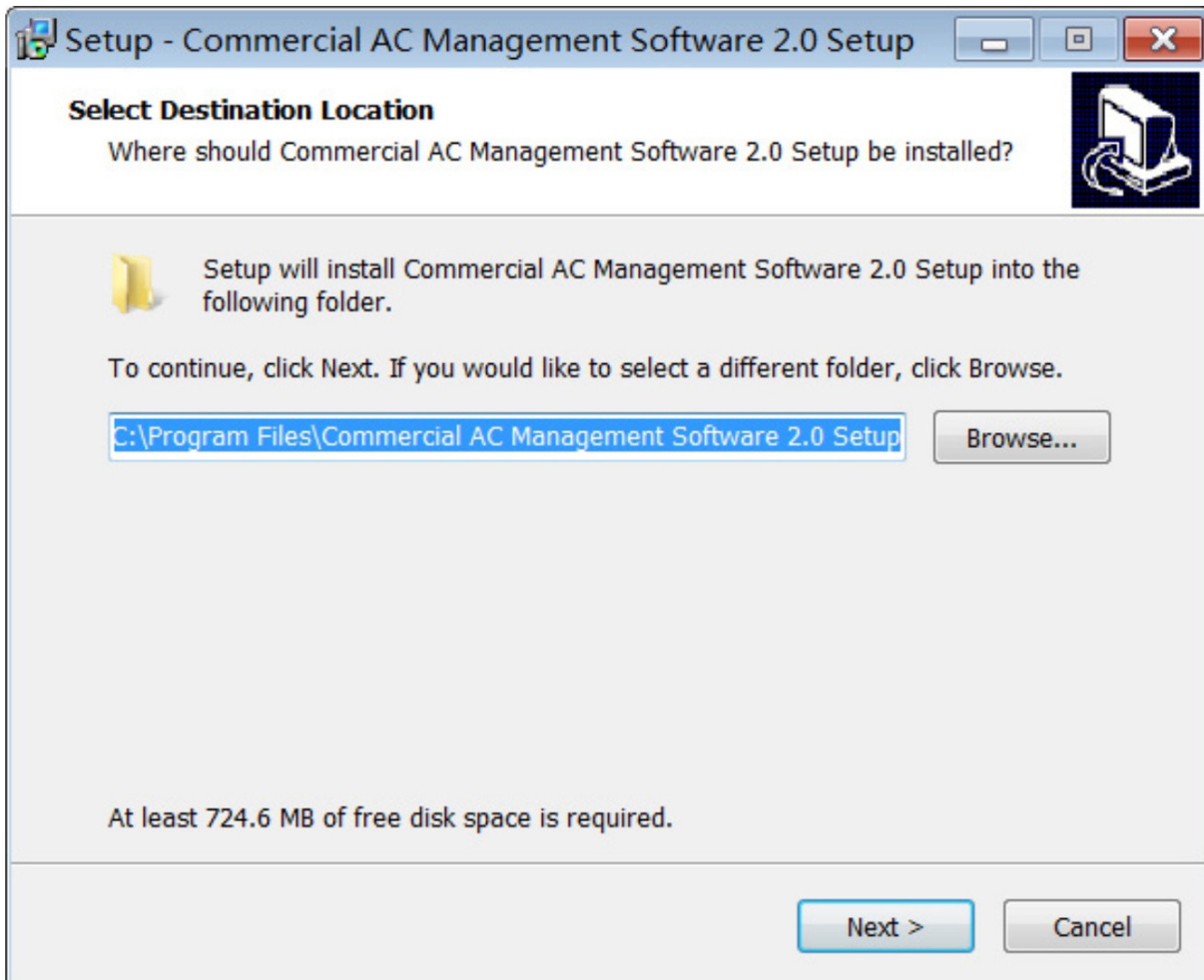


Management software installation and start

1. Management software installation

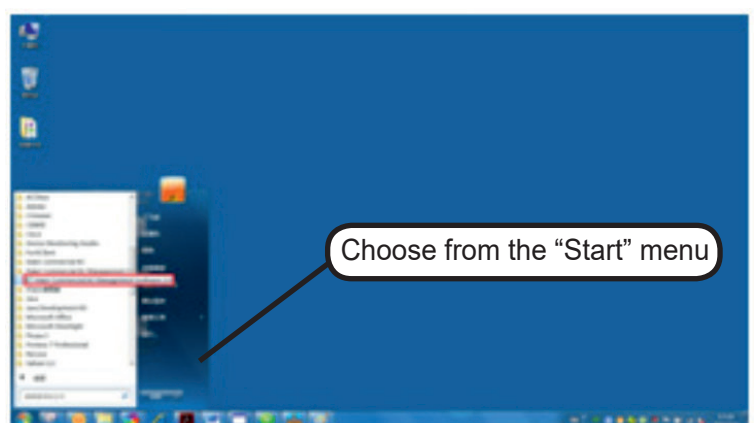


Double click to start the installation, then press the tab “next” step to finish installation.



2. Start

Double click on the “Commercial AC Management Software 2.0” icon on the desktop, or choose “Commercial AC Management Software 2.0” from the “start” menu.



Registration is required to run it for the first time.



Click on “Generate SN”, to generate the SN code and then send it to the technician to get the “license.dat” file. After getting the “license.dat” file, copy it to the installation directory to cover the previous “license.dat” file. Close the software program and then restart for the software program to work properly.

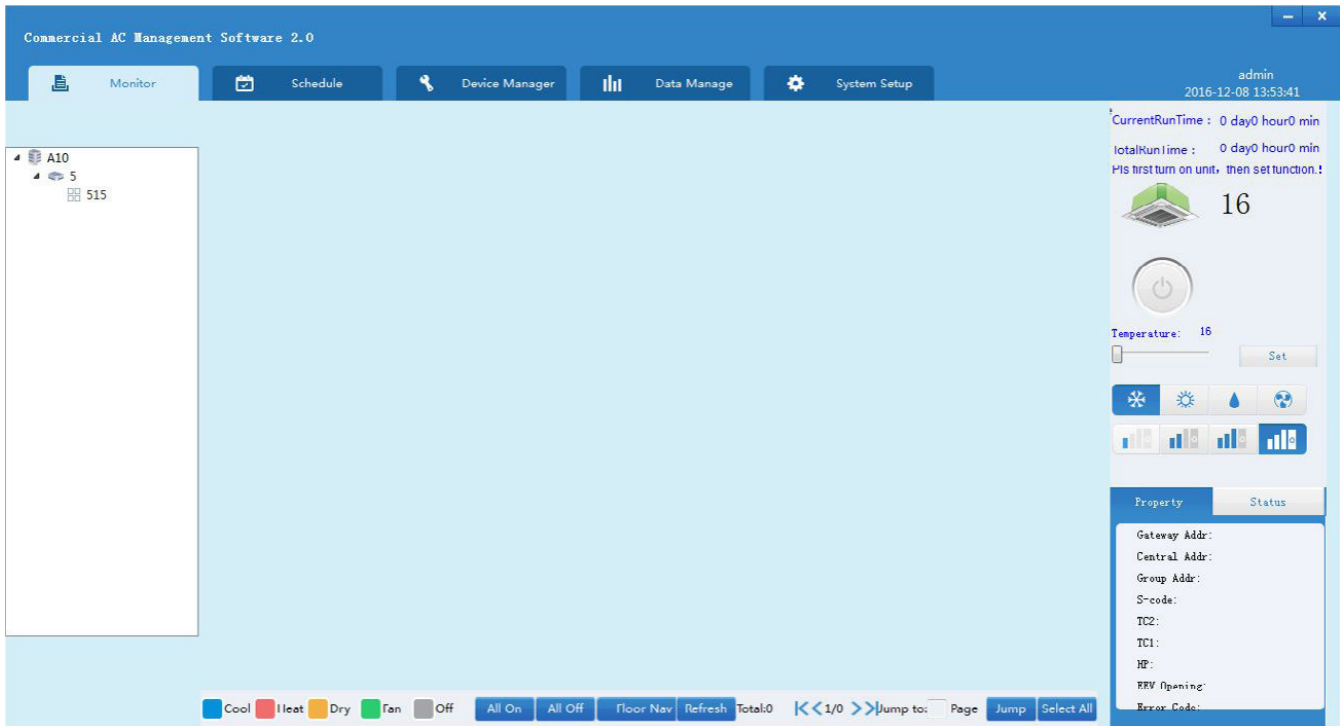
Insert the user name and password in the prompt login window.

User name: admin (default)

Password: 12345 (default)



After inserting the user name and password, click on “login” to enter the main interface, as shown in the following pic.

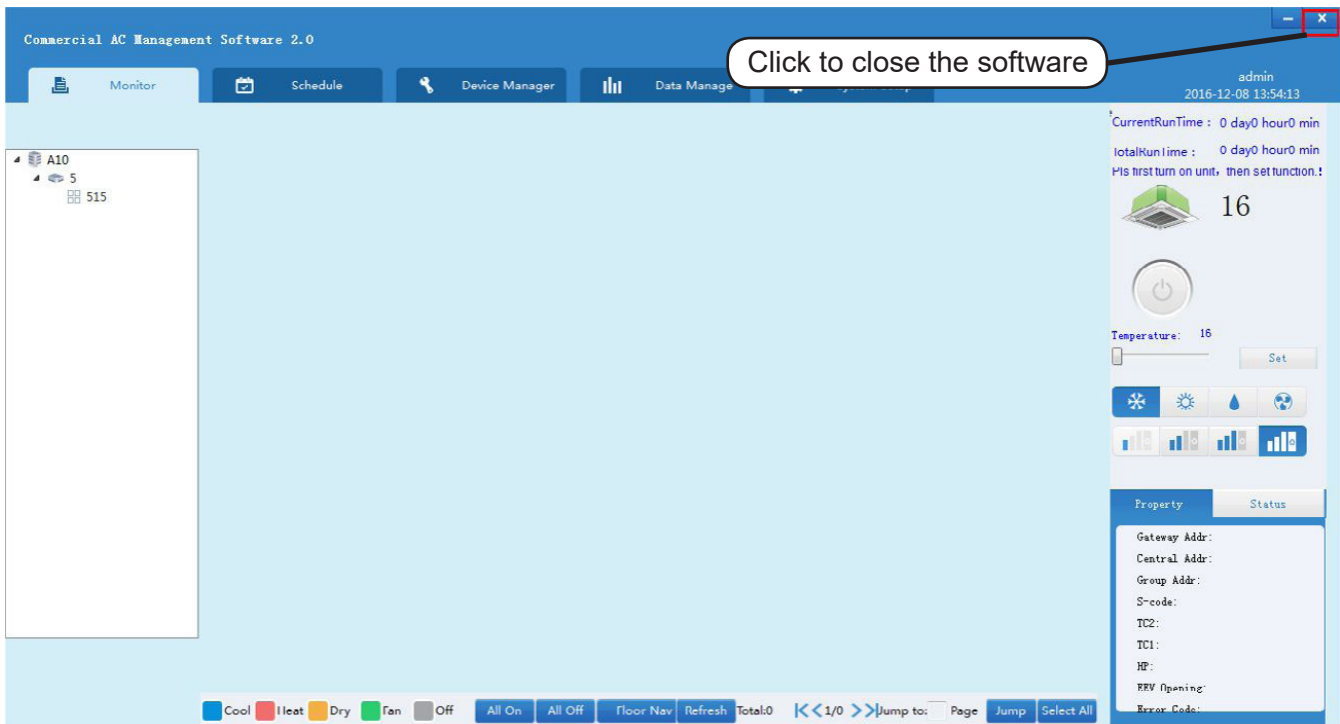


3. Stop the software program

When you turn off the computer power, follow two steps :

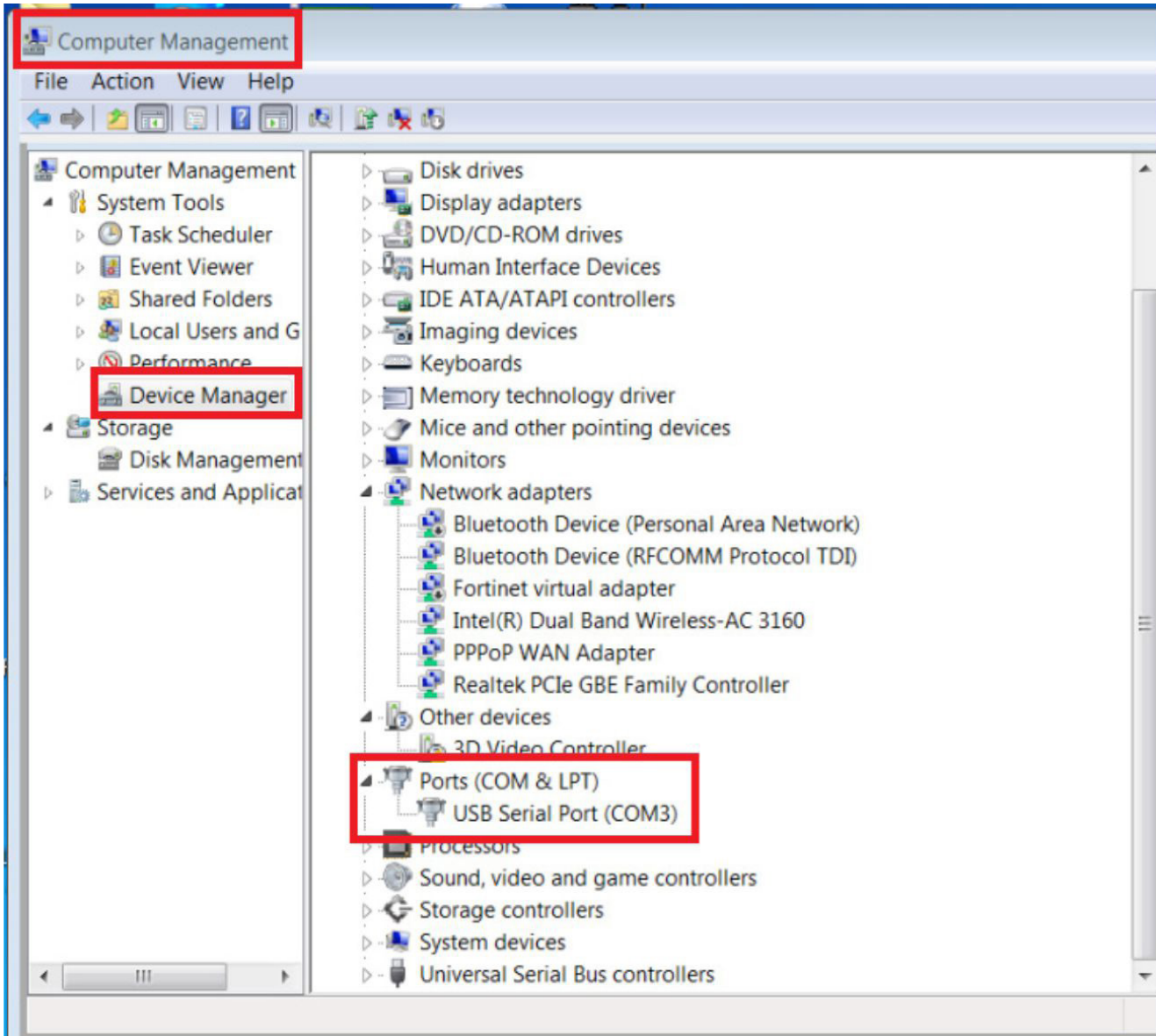
- ① exit “Commercial AC Management Software 2.0” & then
- ② exit Windows

Before exiting “Commercial AC Management Software 2.0”, click “X” on the top right corner of the main interface page and then exit Windows.



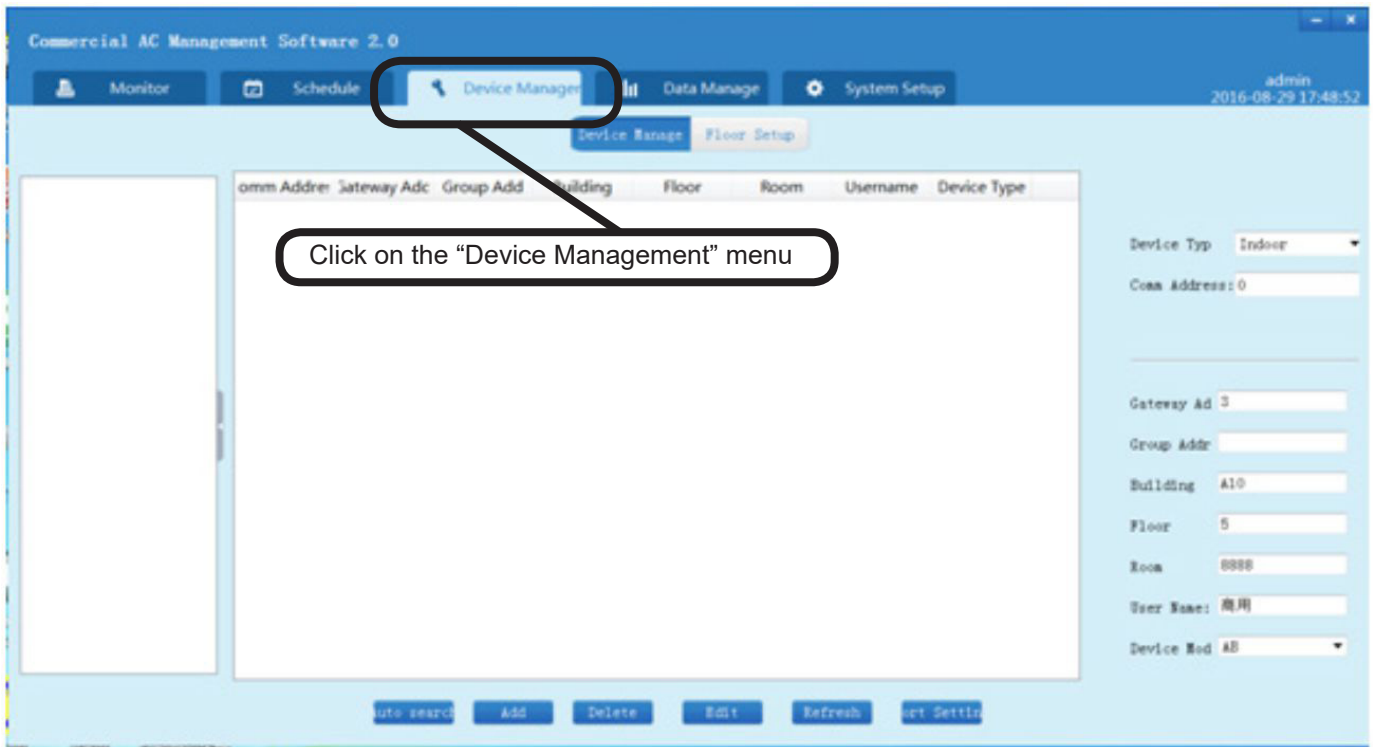
Communication port setting

1. Set the port no. according to the verified connected port. Check the actual port no. from Computer Management-Device Manager.

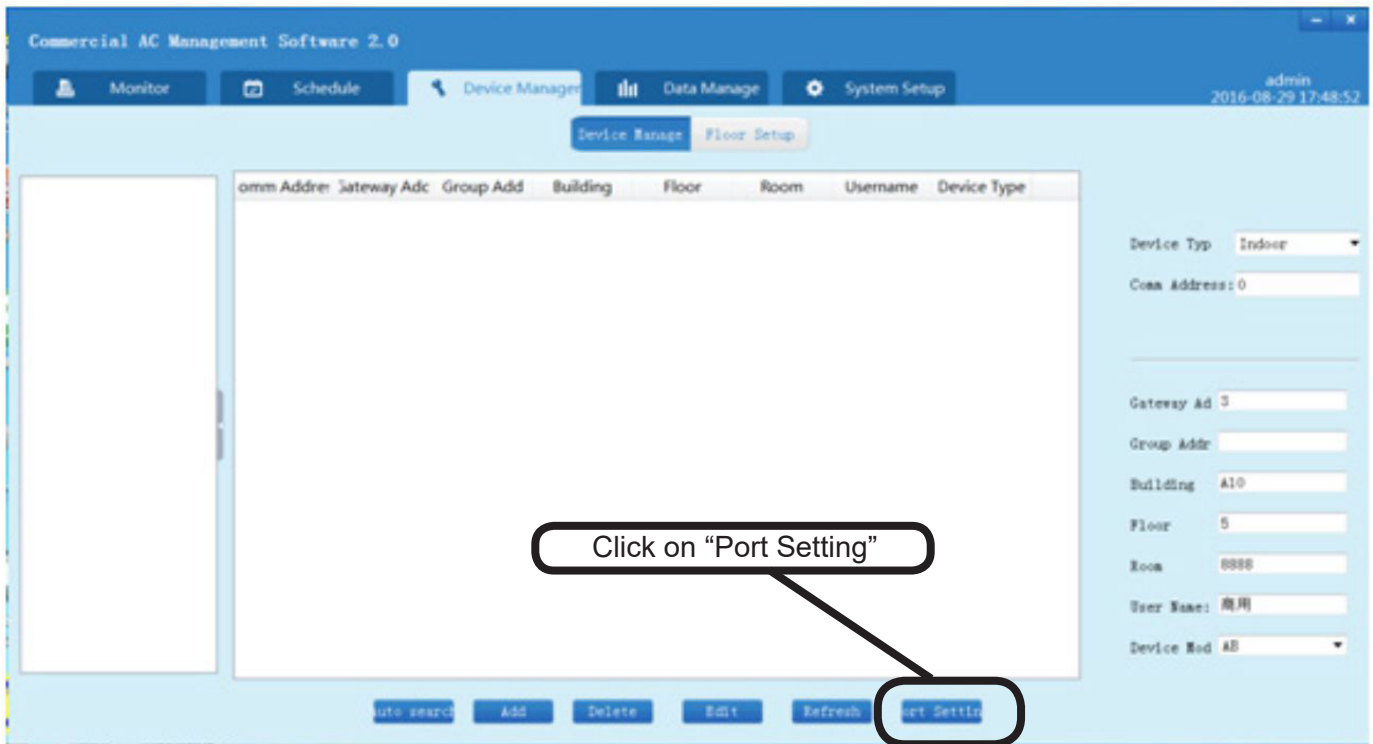


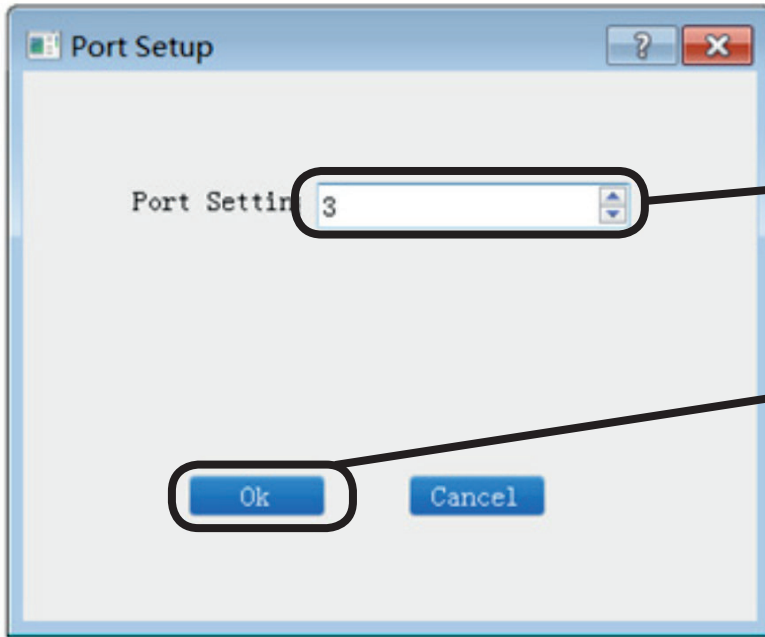
As shown in the above picture, the port connected is COM3, so the corresponding port no. will be 3.

2. Click on the tab “Device Management” in the menu



3. Click on the tab “Port Setting” at the bottom right.

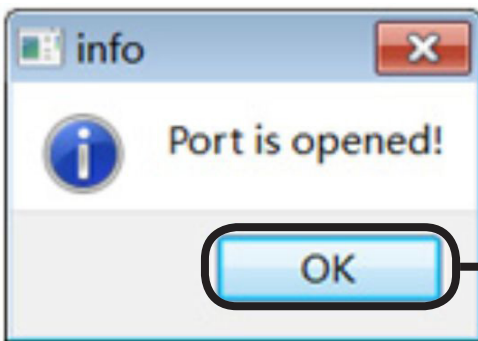




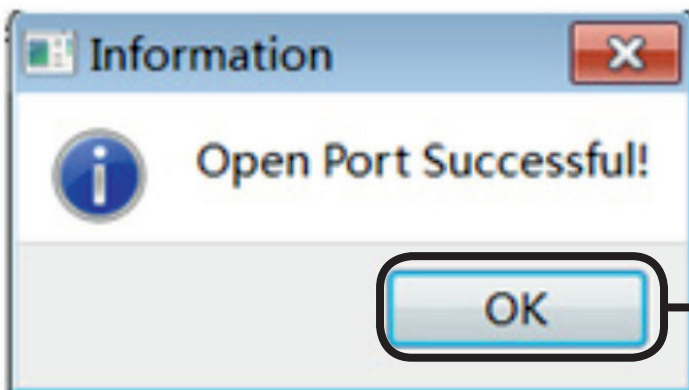
Insert the computer port no.
If it is COM3, insert port no. as 3

Press "OK" to finish the setting
and "Cancel" to quit setting

4. Input the port no. into the dialog box. For example, if it is COM3, insert no. "3". Click "OK" and it will pop out a new dialog box indicating the serial port is open. Click "OK" and after 3s, it will pop out another dialog box showing the serial port has opened successfully.
Click "OK" to finish the port setting.

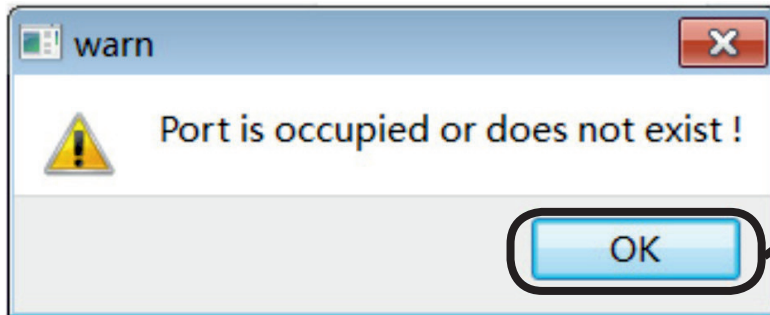


Click "OK". After the window
disappears, wait.



Click "OK". Once the window
disappears, continue to
operate.

5. If the port setting is wrong, it will pop out a warning 'Port is occupied or does not exist'. Please set it again.

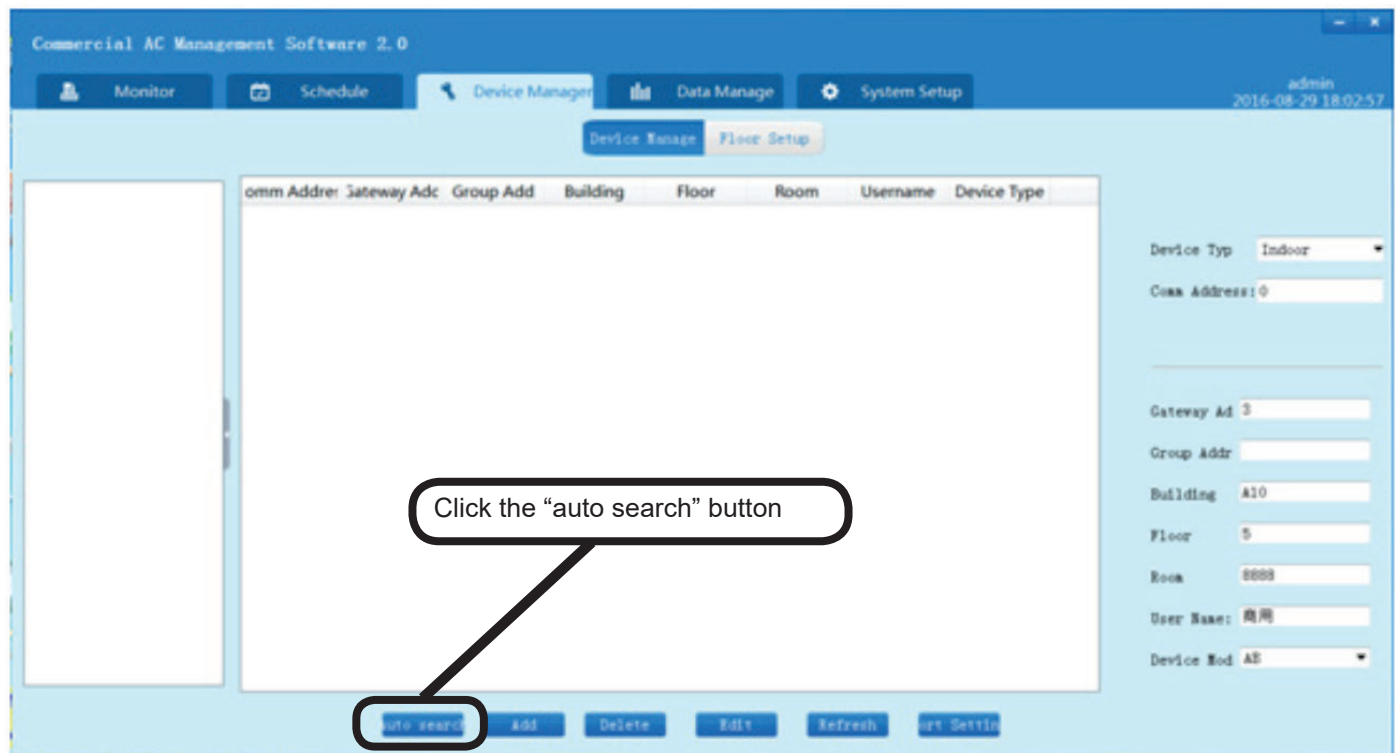


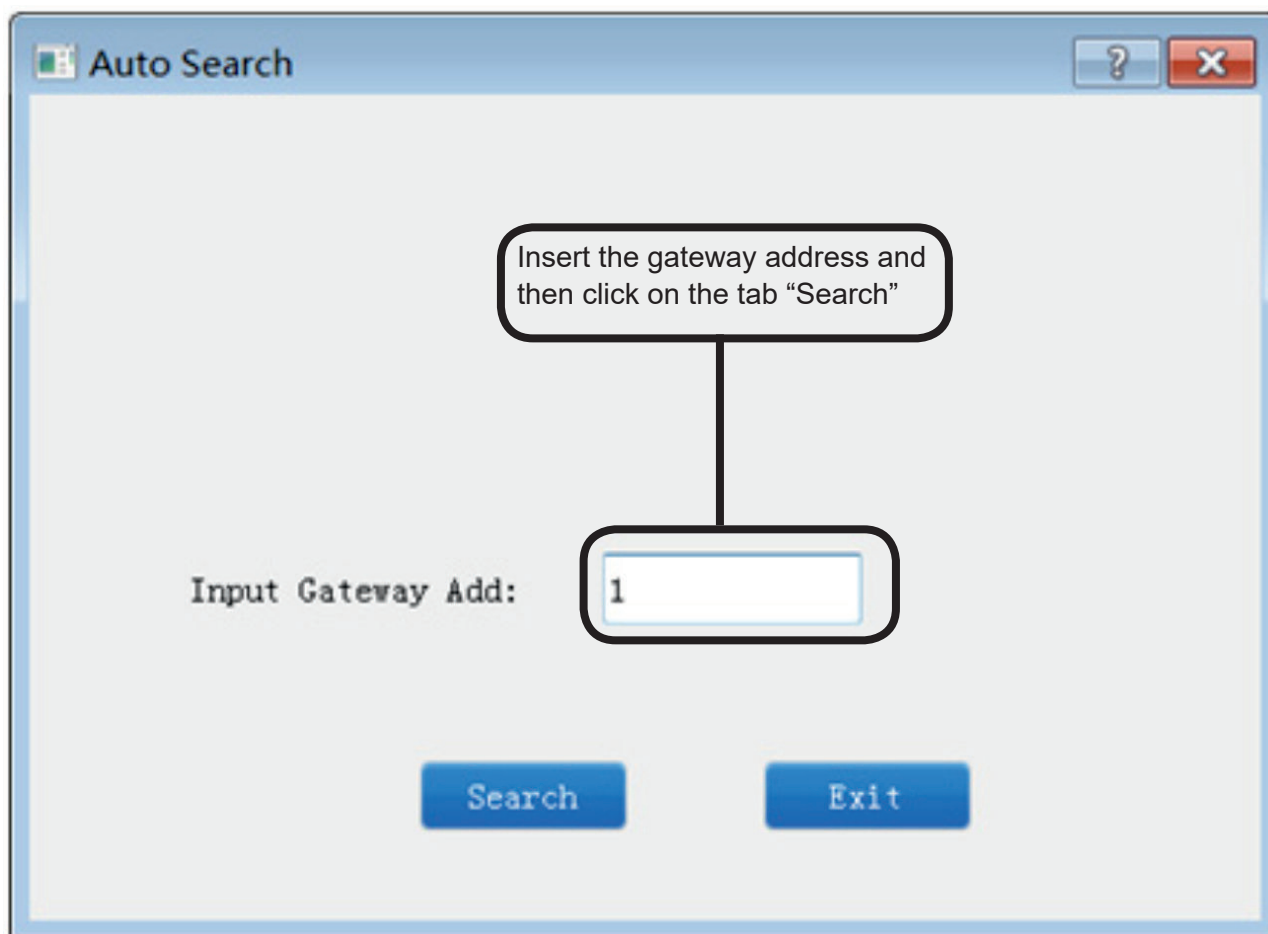
Click "OK" to reset the port. Firstly, check if the port no. is right. Please restart the computer when using the serial port tool for the first time.

Adding/Deleting device

1. Adding device by auto searching

(a) Click on the tab "Auto Search".





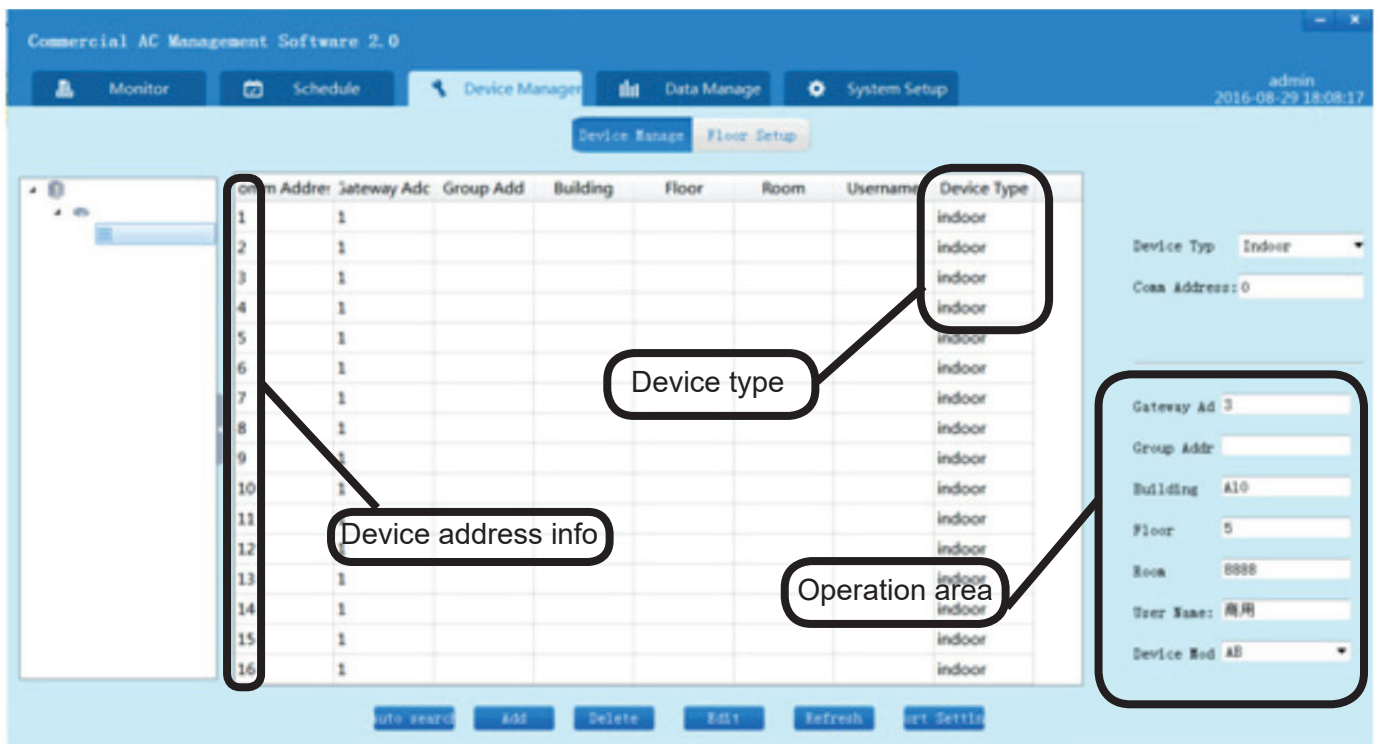
(b) Input converter—Insert the gateway address (from 0 to 31) into the popping-out dialog box and then click on “Search”.

After finishing searching, it will pop out “Search OK!”.
Click on “Exit” to close the dialog box.



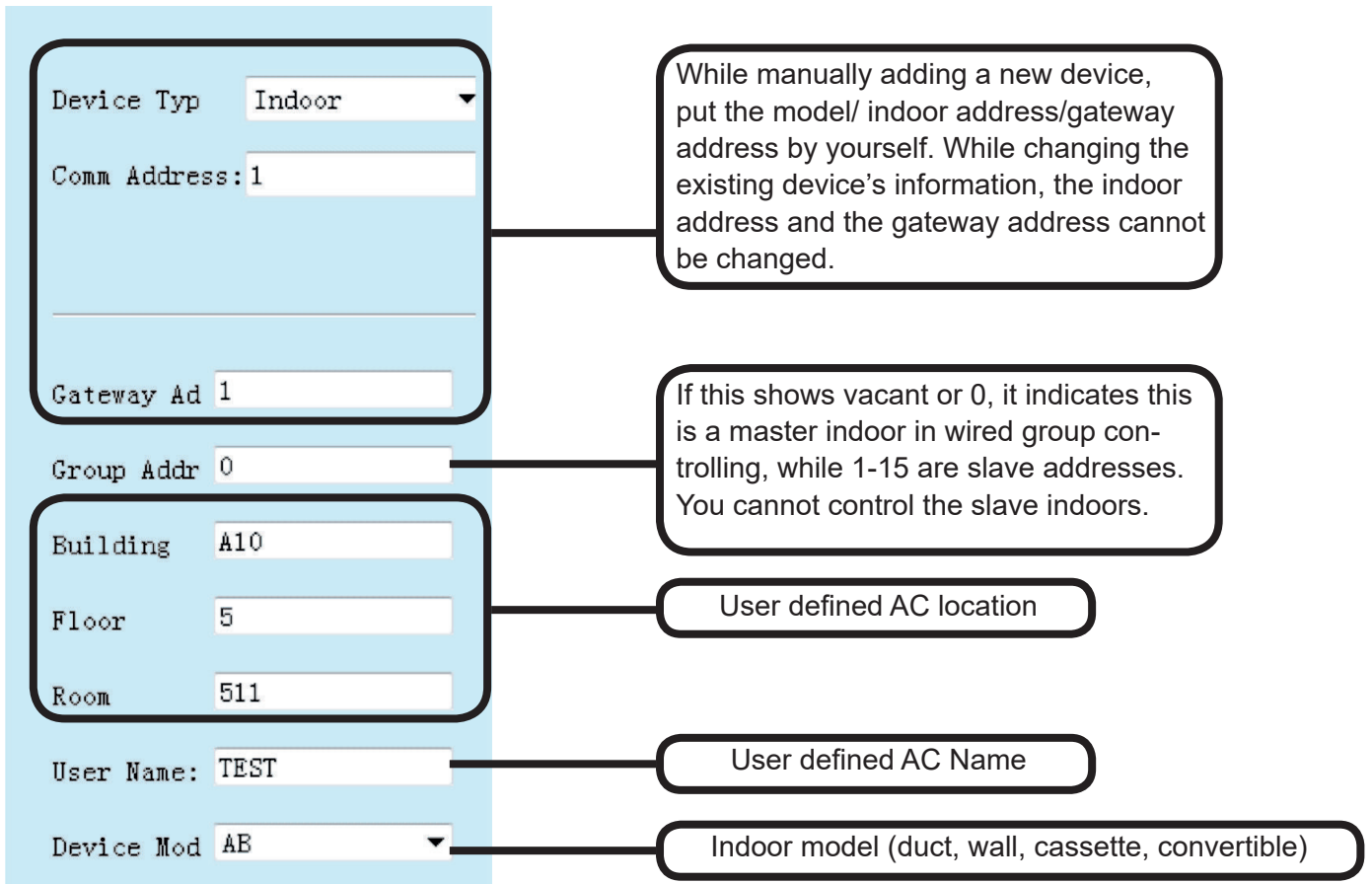
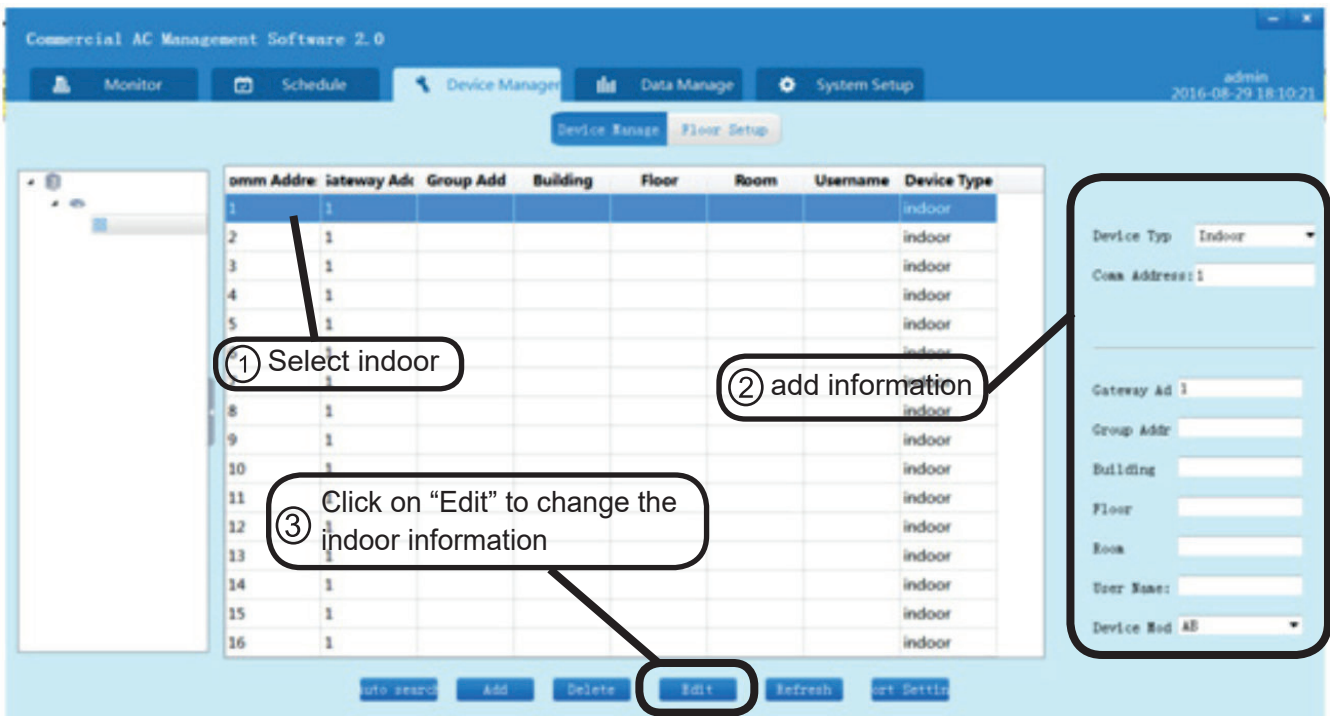
(c) The searched indoor information shown in the device management list is : Comm address, gateway address and device type. Other information needs to be added from the list on the right hand of the page.

English



(d) Adding indoor information.

Click on the indoor that needs to add information from the device list.



Adding Indoor information:

Group address: when you are using the wired controller to control more than one indoor unit, the master address is 0 and slave addresses are from 1 to 15.

Building: The building to install the indoor unit.

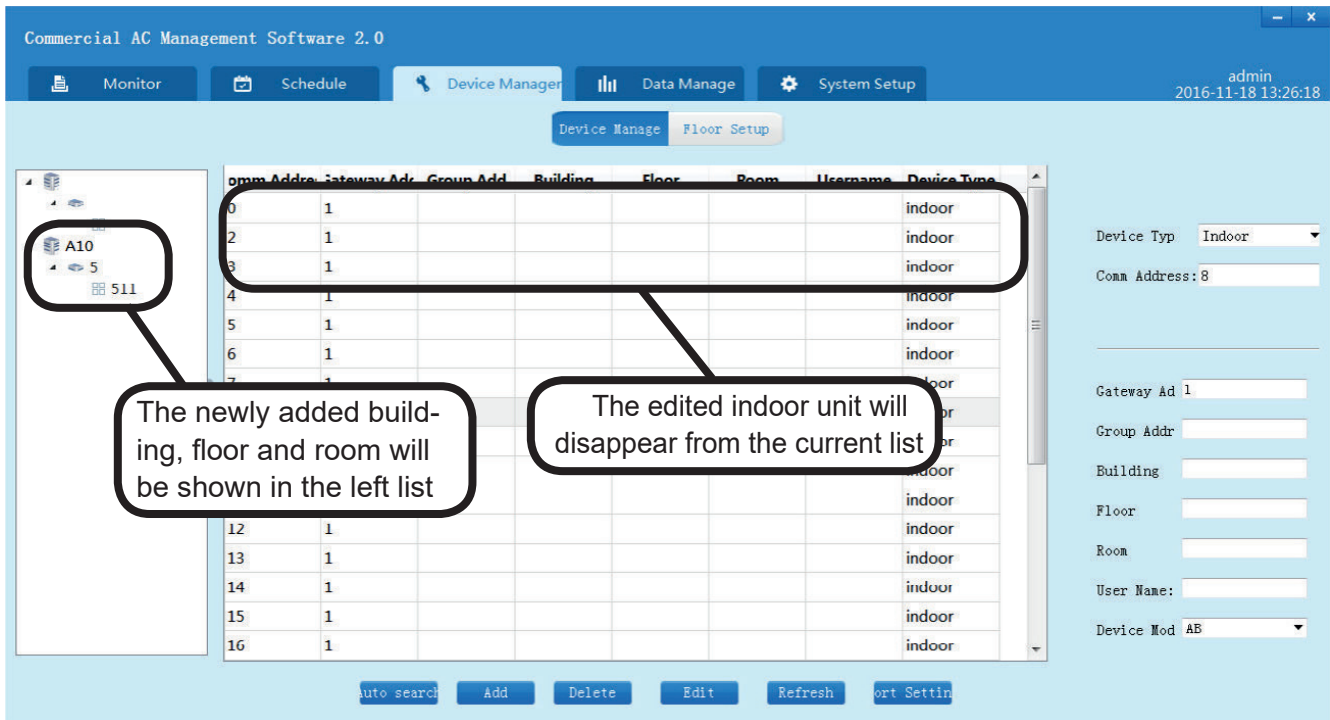
Floor: Specific floor to install the indoor unit.

Room: In which room is the indoor unit installed.

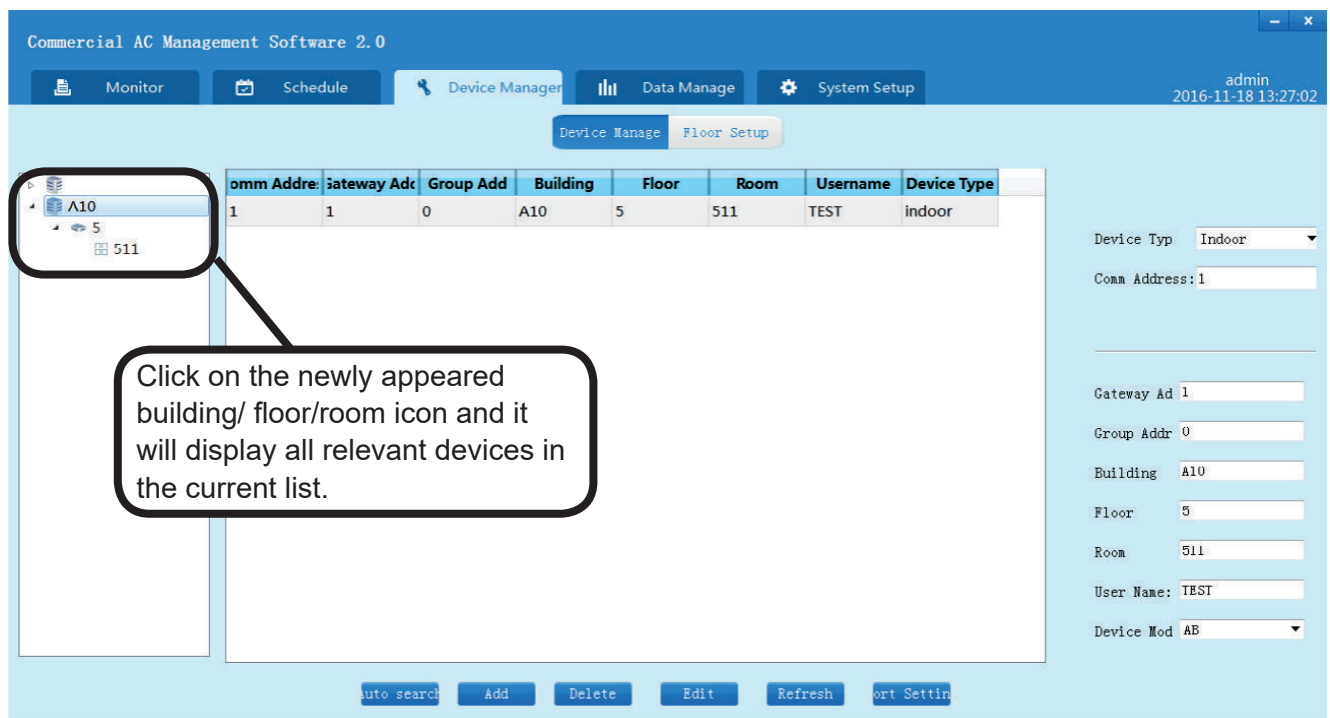
User name: the user of indoor.

Model: indoor model: AB: Cassette; AC: Convertible; AD: duct; AS: Wall

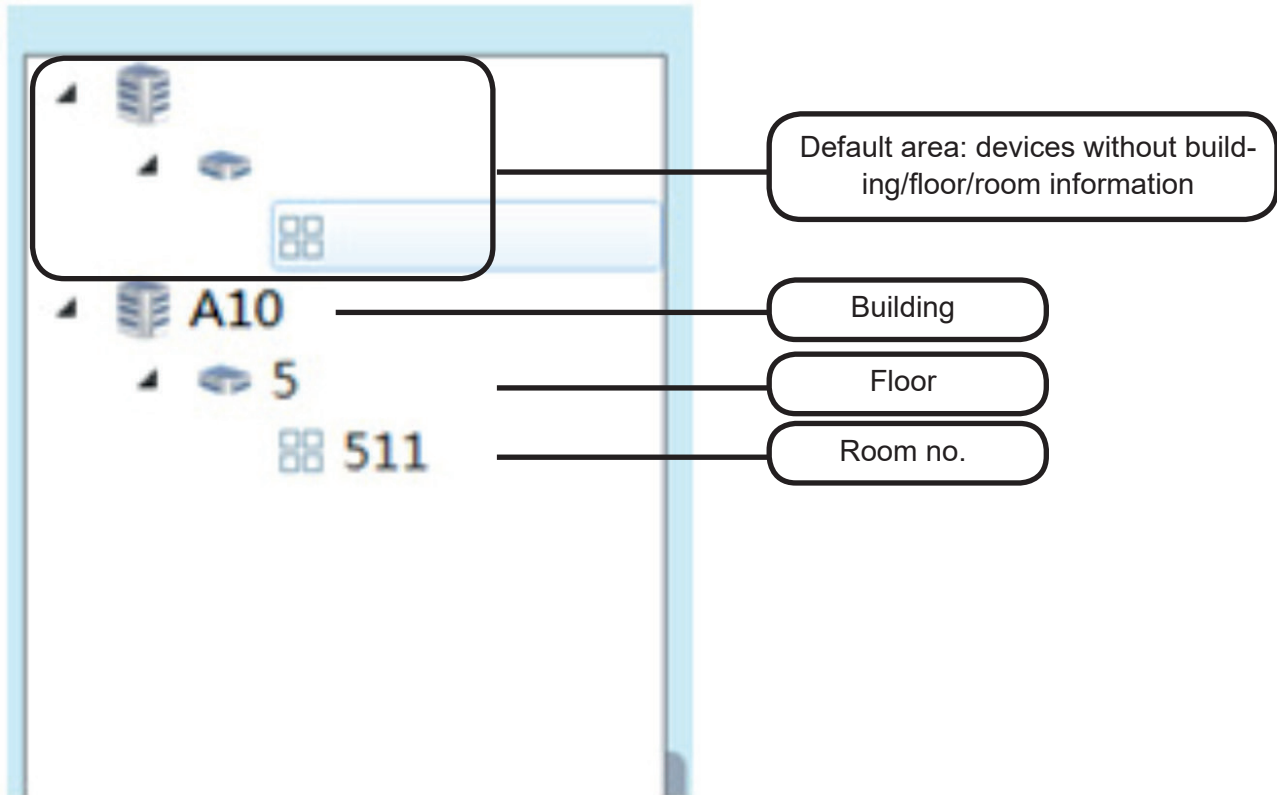
(e) Click on "Edit" to finish adding the information. It will update information about indoor in the indoor list. The information on the relevant building, floor and room will be seen on the left side of the screen.



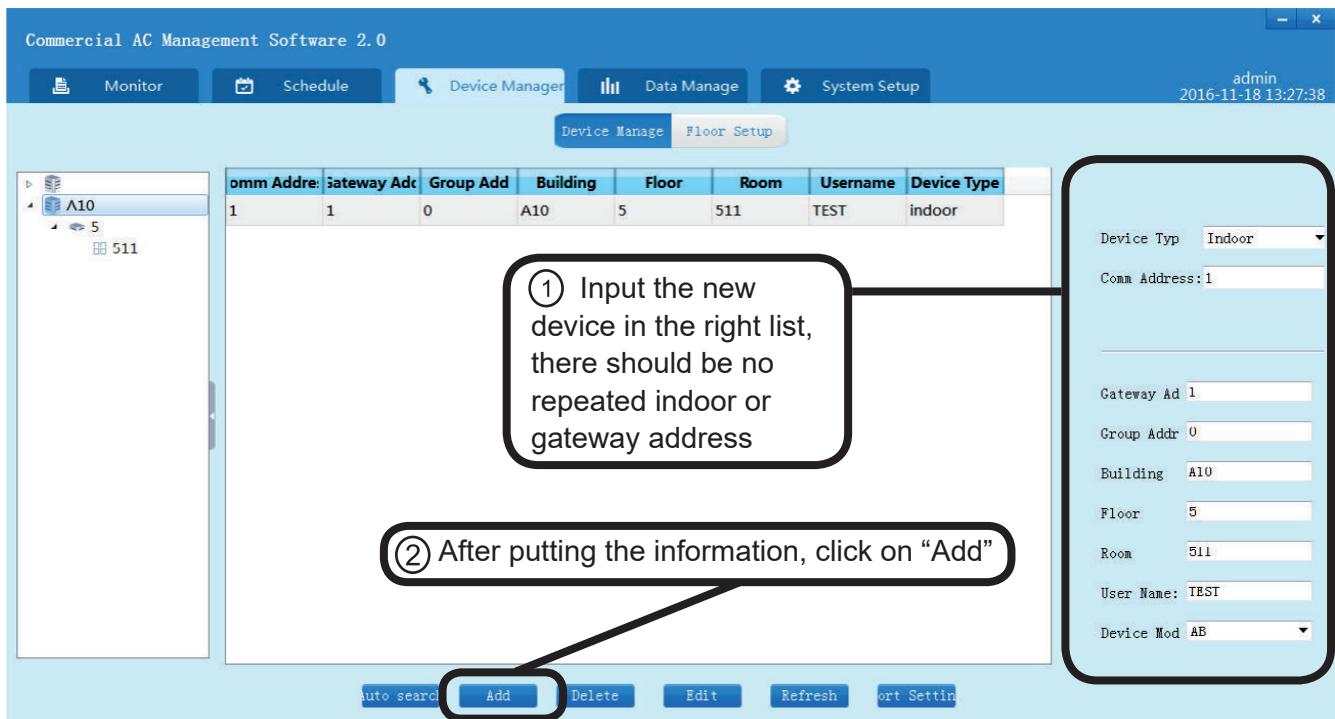
Comm Address	Gateway Adc	Group Add	Building	Floor	Room	Username	Device Type
0	1						indoor
2	1						indoor
3	1						indoor
4	1						indoor
5	1						indoor
6	1						indoor
7	1						indoor
12	1						indoor
13	1						indoor
14	1						indoor
15	1						indoor
16	1						indoor



Comm Address	Gateway Adc	Group Add	Building	Floor	Room	Username	Device Type
1	1	0	A10	5	511	TEST	indoor

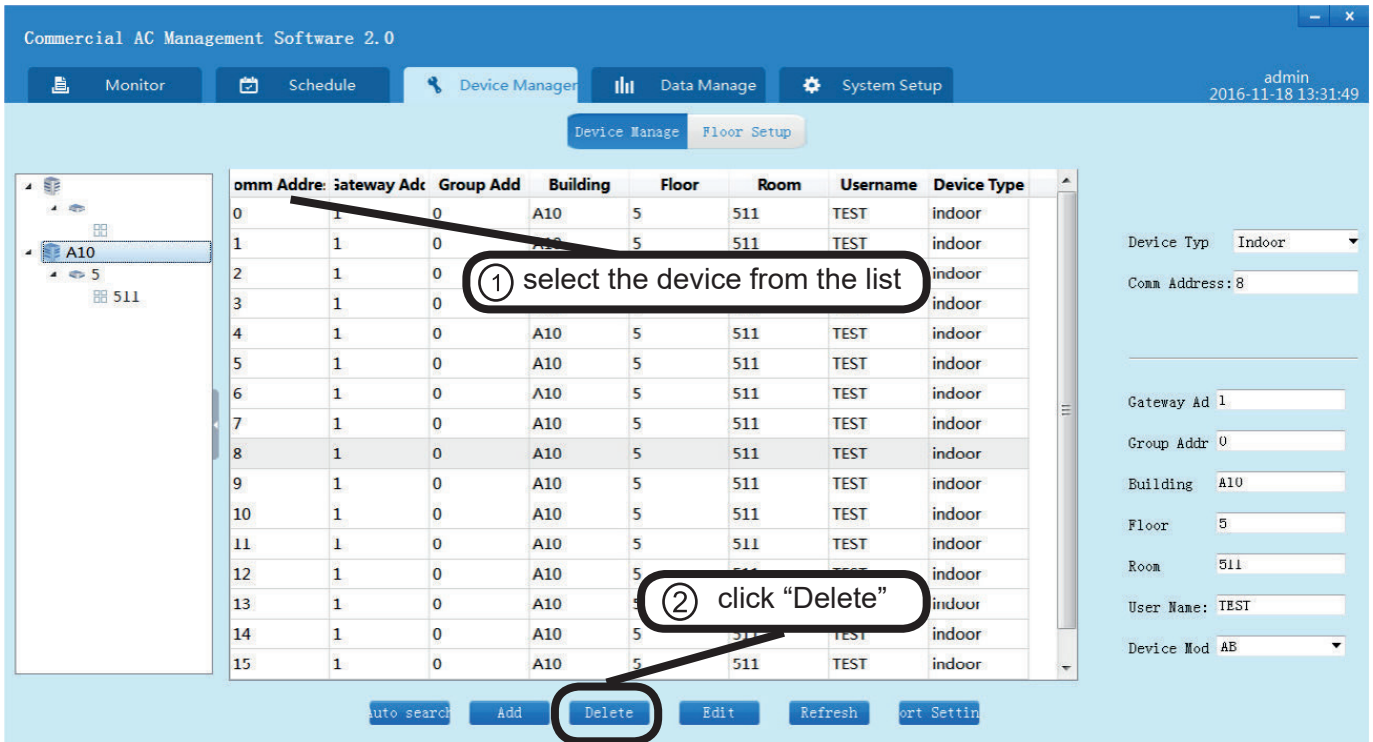


2. Adding Manually



- Add the indoor information in the right list, and ensure that we do not put repeated indoor or gateway address.
- Click on "Add" to finish adding.
- After adding, it will display newly added indoor information in the list. Restart the software to confirm the setting.

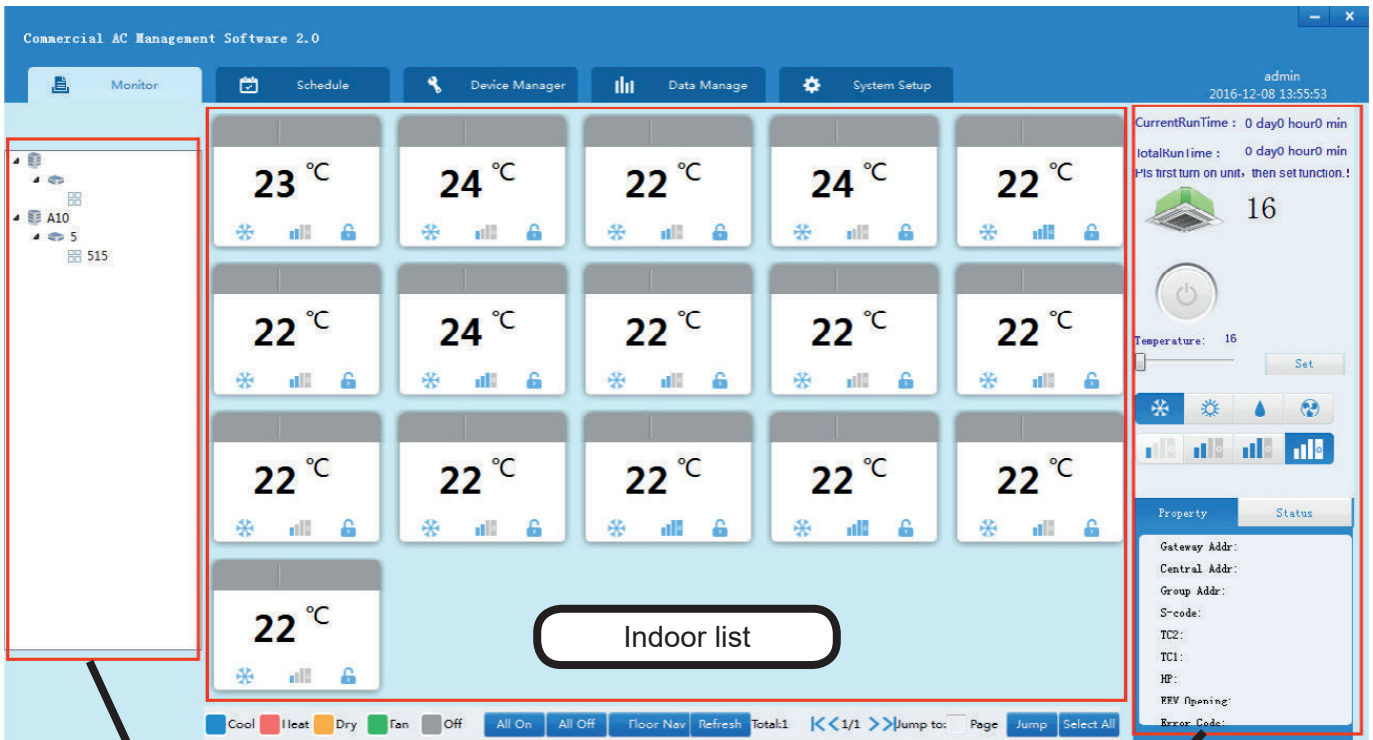
3. Deleting device



- Select the intended deleting device from the list.
- Click on “Delete” to finish deleting.

Device monitoring

After adding the device, click on “Monitor” to monitor the indoor.



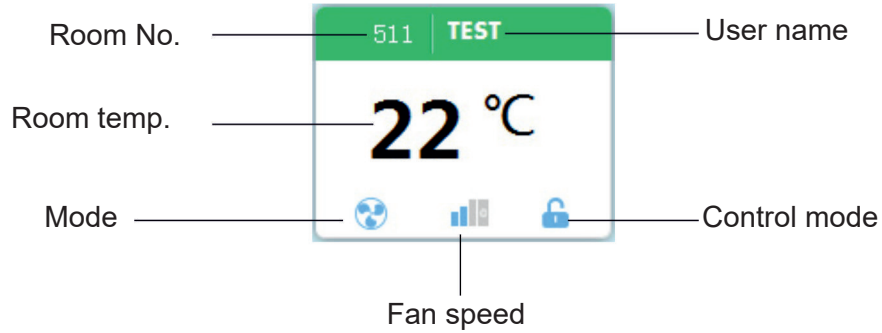
Floor & room list

Indoor list

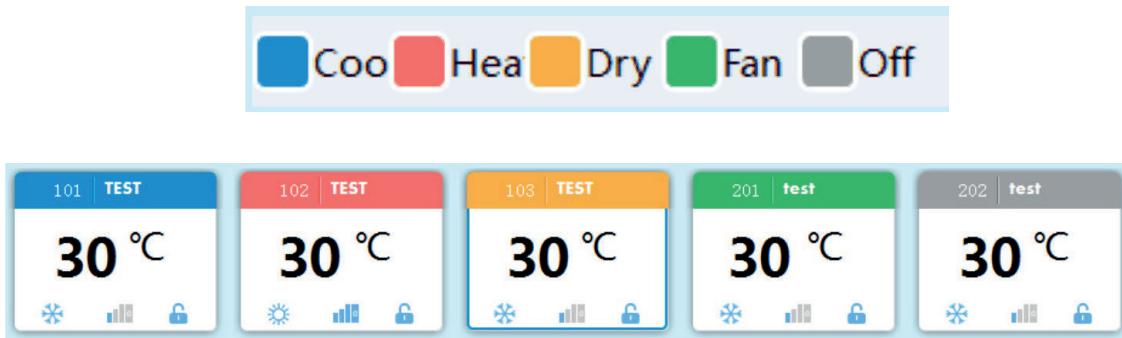
Indoor operating parameter

1. Indoors Working Condition

Every icon shows the current condition of indoor, as shown in the following picture:



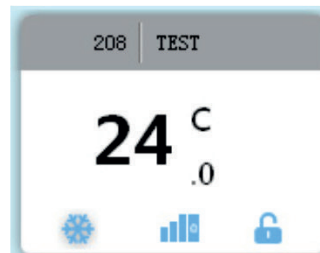
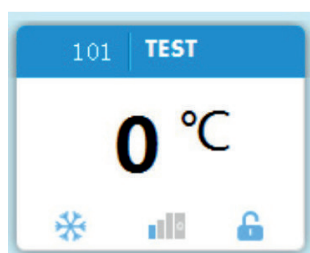
(a) Different colors show different modes



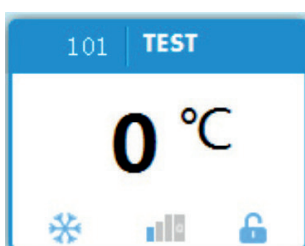
The above conditions and modes are: cooling, heating, dry, fan, off.

(b) Click on the indoor window to select 'indoor'.

After selection, the edge of the window will be shown by a solid line.
Indoor not selected (in ON mode), Indoor not selected (in OFF mode).

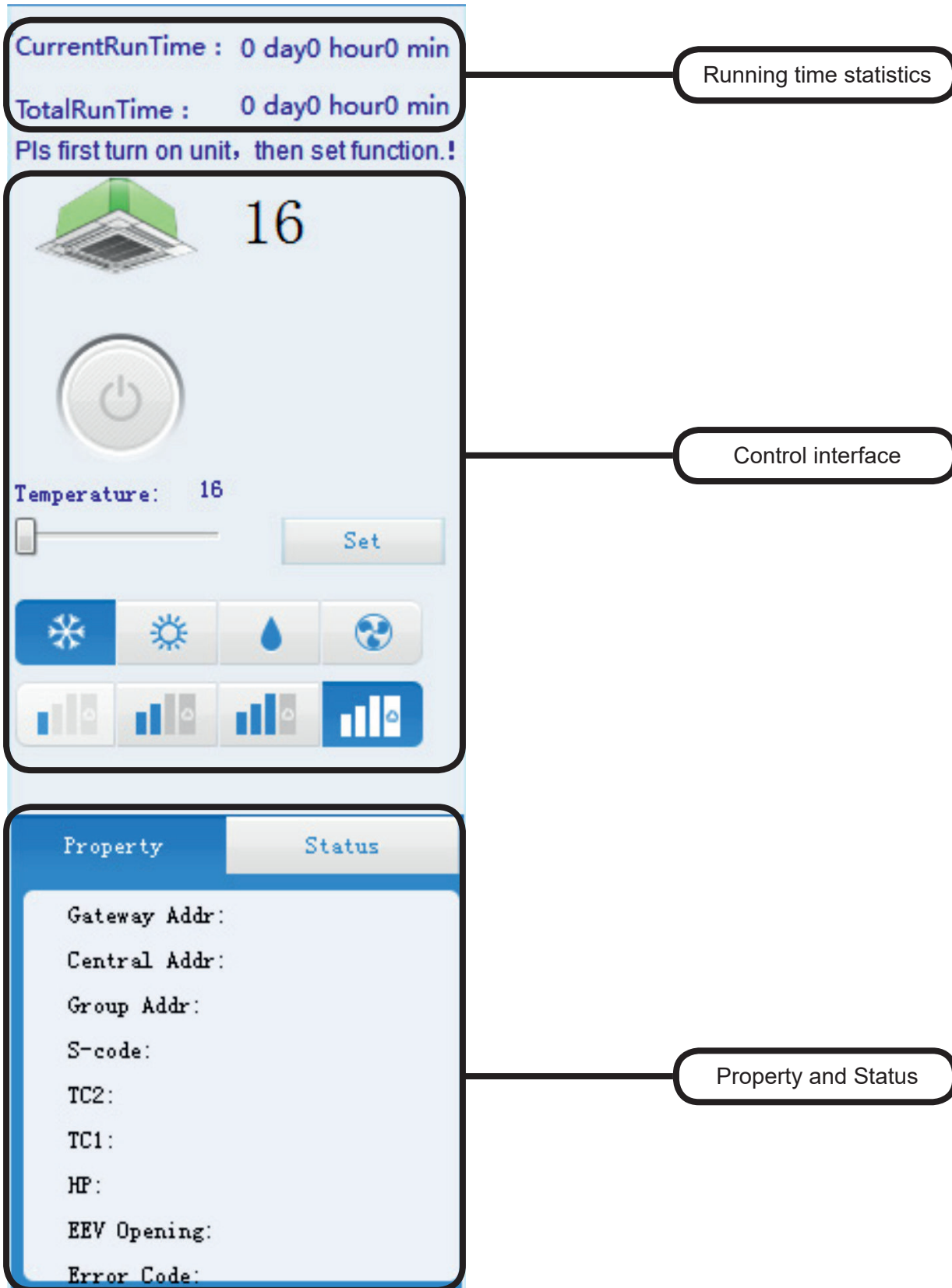


Indoor selected (in ON mode), Indoor selected (in OFF mode)



2. Indoor Detailed Condition

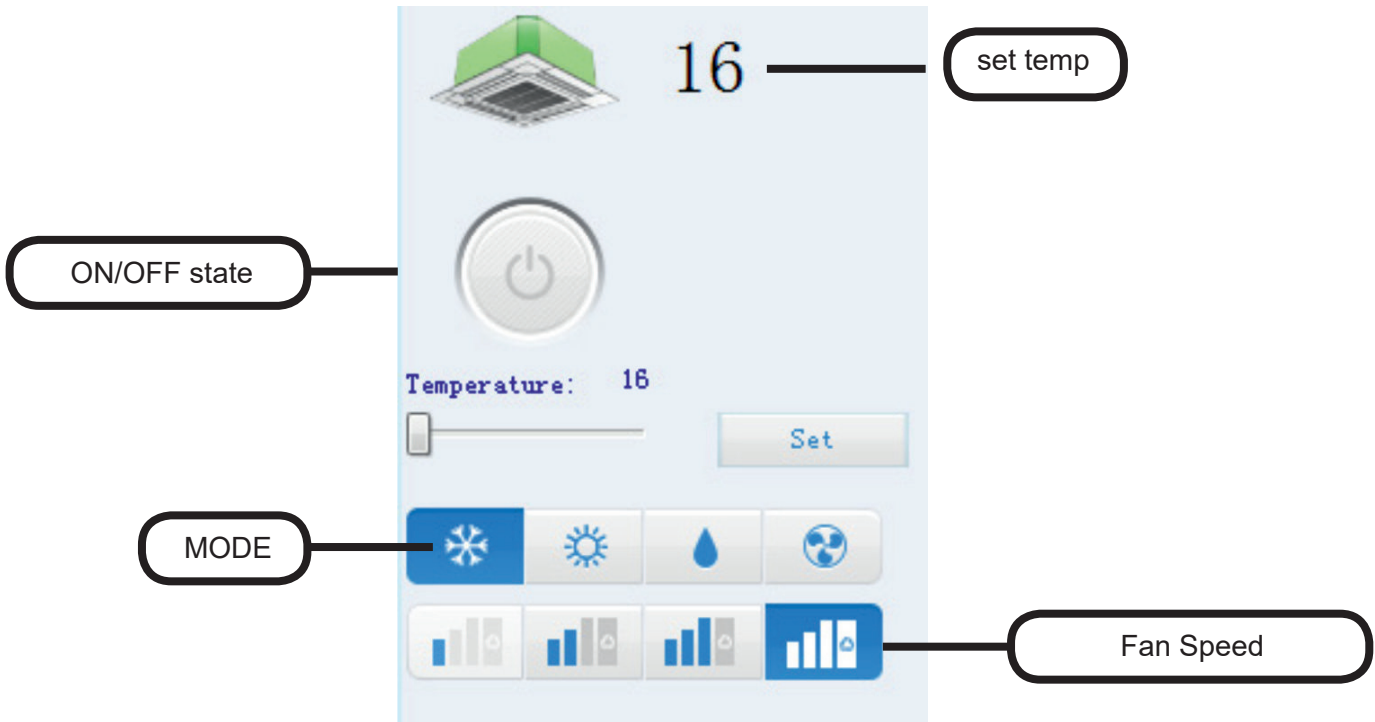
Pls turn on the unit, then set the function



3. Indoor Control

(a) Single unit control

After selecting one indoor, you can see all the setting information of indoor on the right, and operate the indoor control from here.

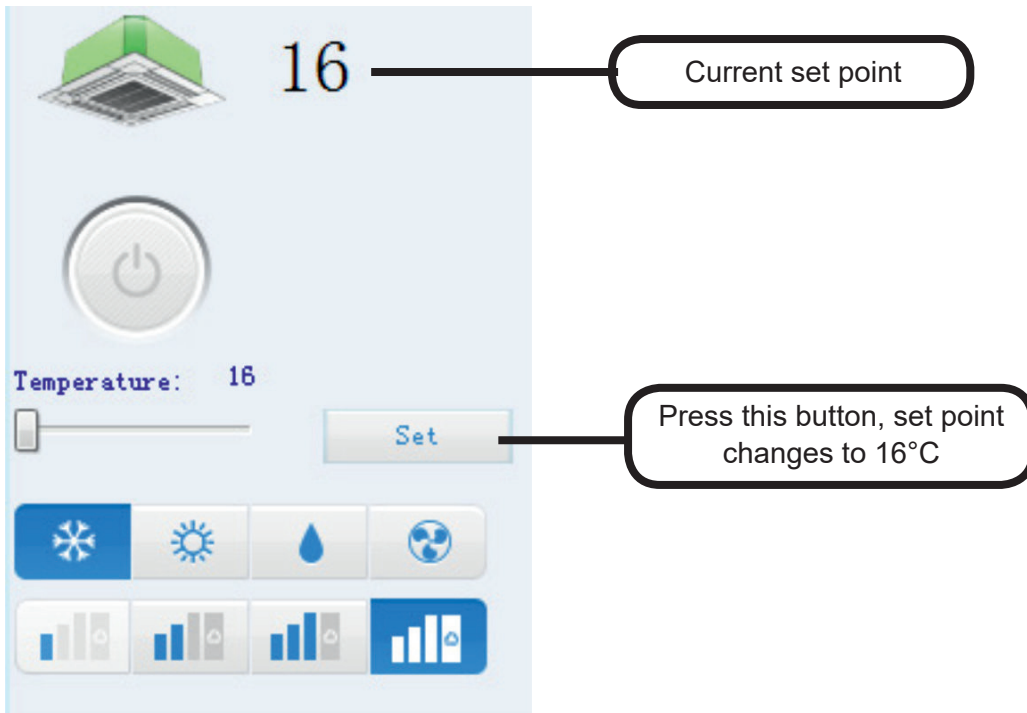


A detailed explanation of each button.

Button	Explanation
	ON
	OFF
	COOL
	HEAT
	DRY
	FAN

Button	Explanation
	LOW
	MID
	HIGH
	AUTO
	SET TEMPERATURE

If the status of the below indoor unit is ON, Set temp. is 24°C, cool, low speed. Press the 'Set' button to change set point to 16°C.

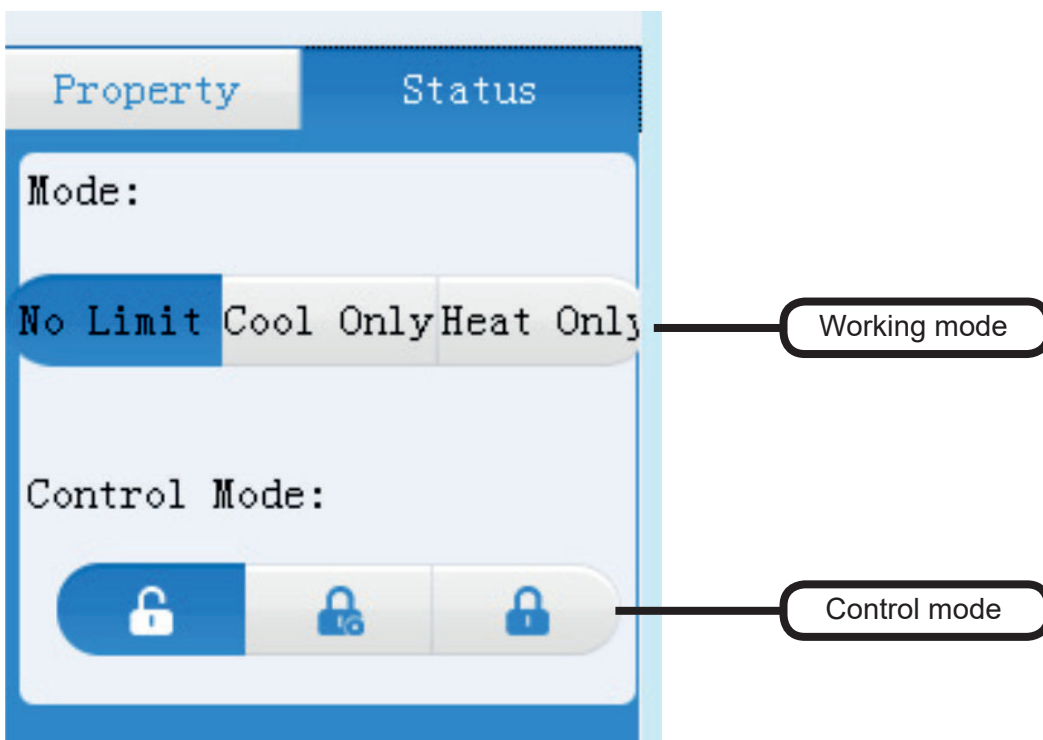


(b). Working mode/Control mode

It displays Working mode and control mode under "status" label

Working mode: No Limit, Cool Only, Heat Only;


Control mode: Last in first out, central control, Lock;




Working mode:


No limit: All the working mode is available

Cool only: Indoor can only operate in cooling mode. It allows no other mode.

Heat only : Indoor can only operate in heating mode. It allows no other mode. Last in first out : It executes the last input order regardless of where it has come from.

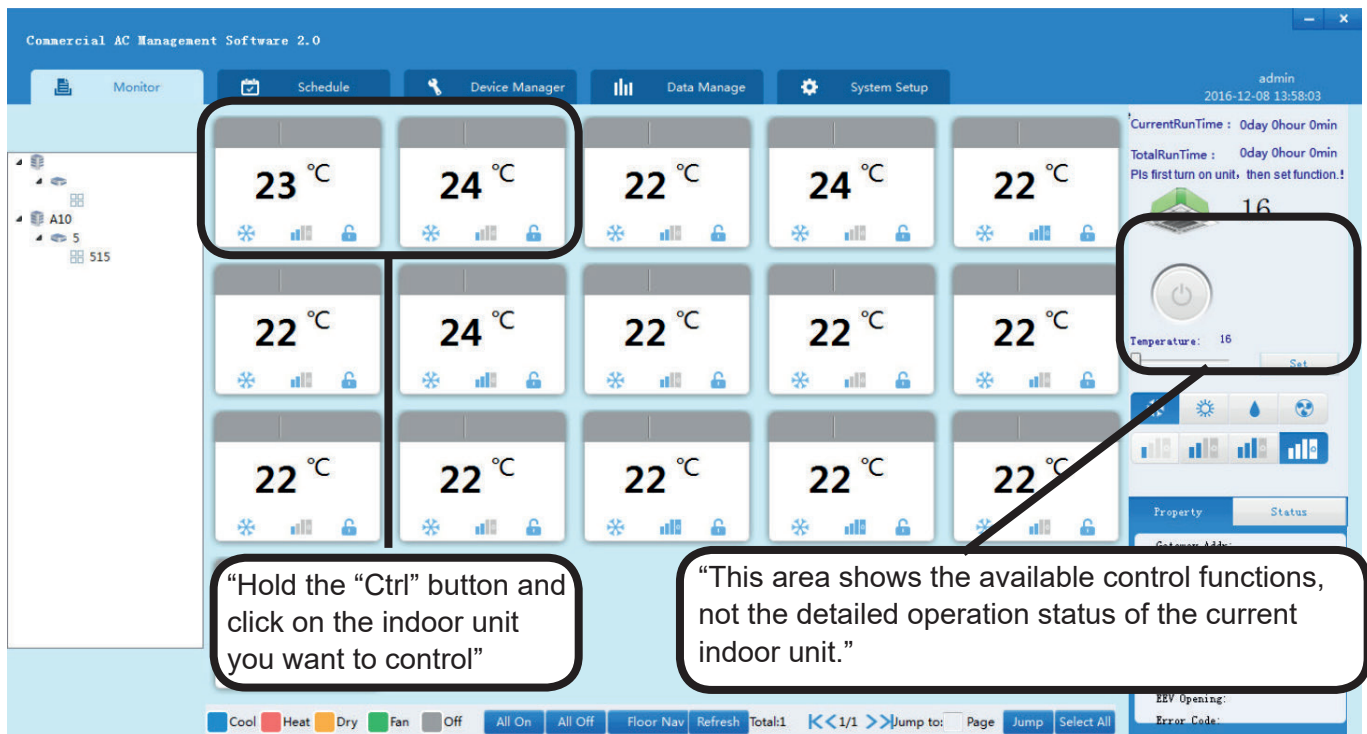
40VCB117FQEE, wired controller or remote controller: for e.g., Initially 40VCB117FQEE sends low speed, then wired controller sends high speed, finally the unit starts working at high speed.

Central control : Only available with 40VCB117FQEE. Wired controller or remote controller can only switch 'on' or switch 'off' the indoor unit.

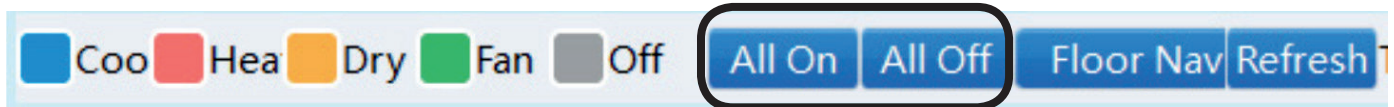
Lock : All orders are sent by 40VCB117FQEE only. Wired controller or remote controller can only display the working condition.

(c) Multi indoor unit's control: To control several indoor units, please follow the steps listed below :

- Hold the "Ctrl" button and click on the indoor unit you want to control
- Press the ON/OFF button to switch on/off the indoor unit,
- Drag the slider to set temperature
- Click on the fan speed you want to set;
- Click on the working mode you want to set;



(d) All on/off



Press "All On" to switch on all indoor units

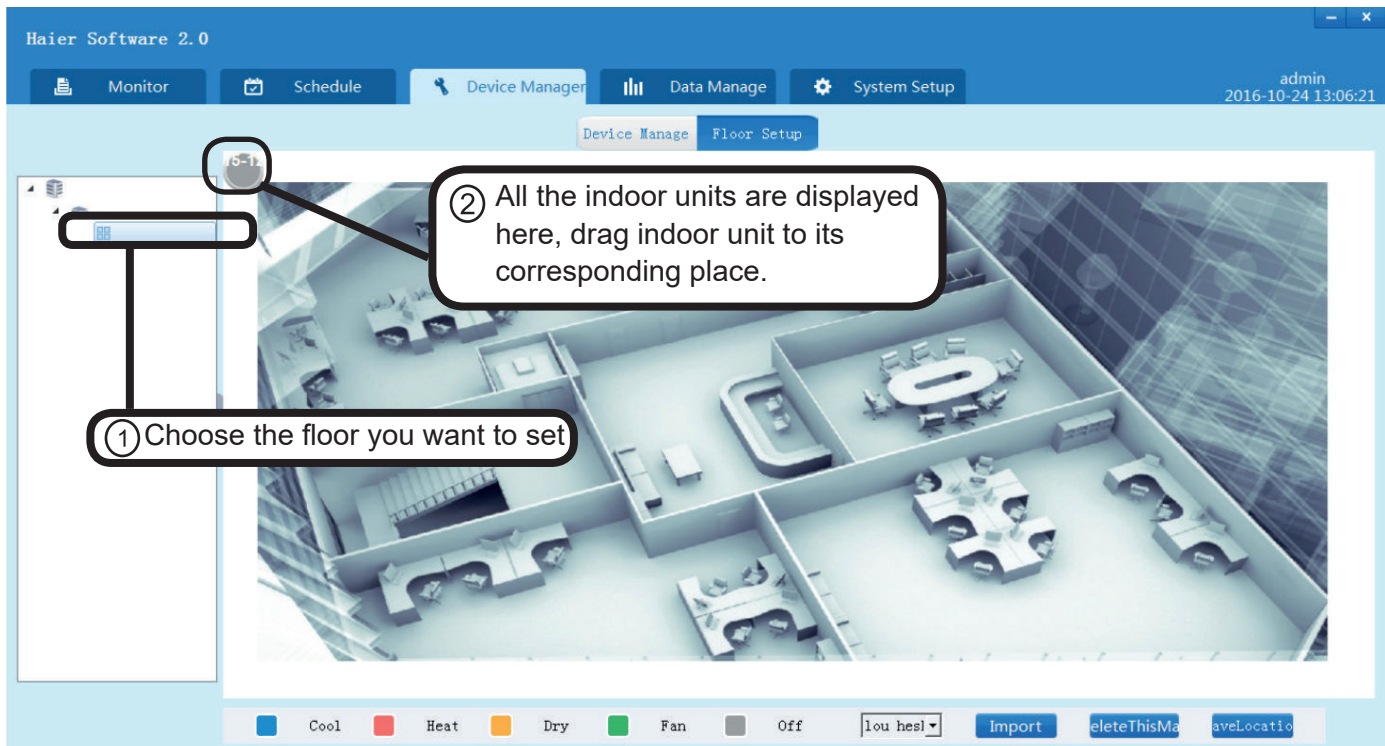
Press "All Off" to switch off all indoor units

Floor Setting

1. Zone setting

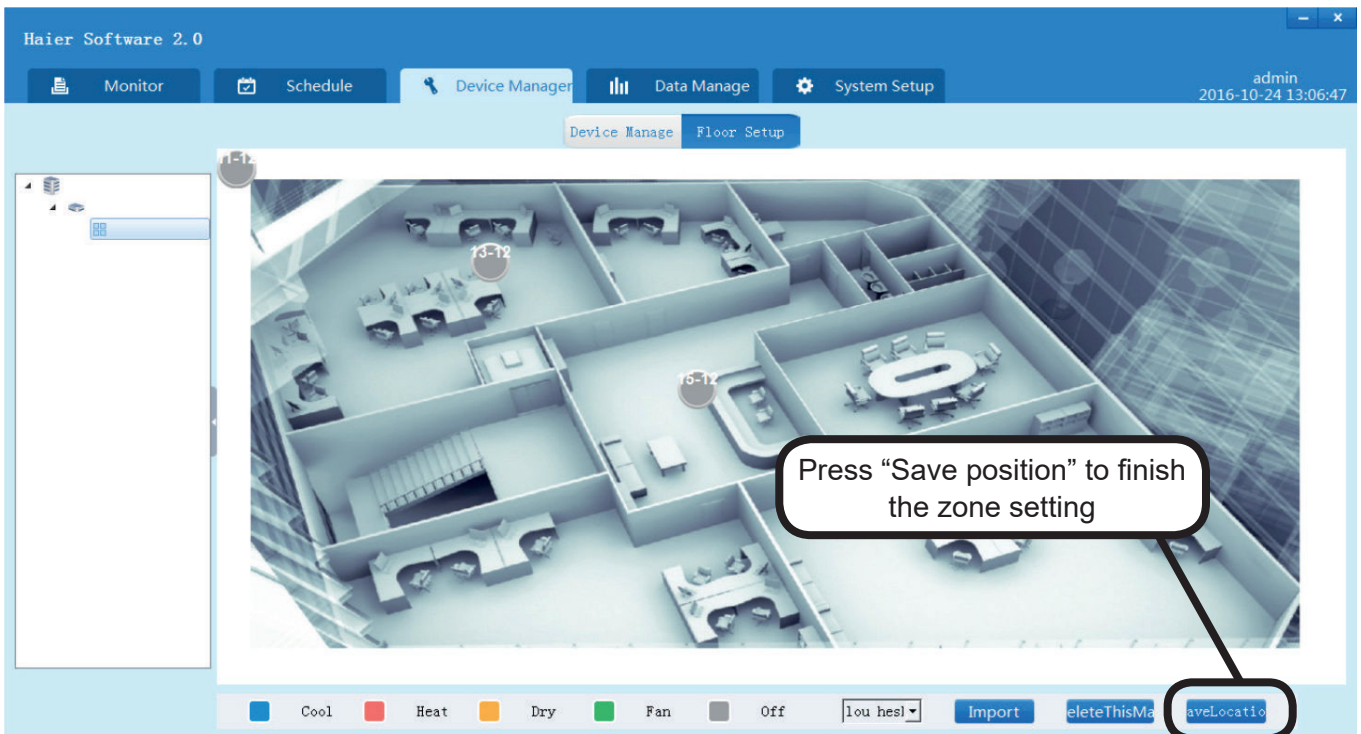
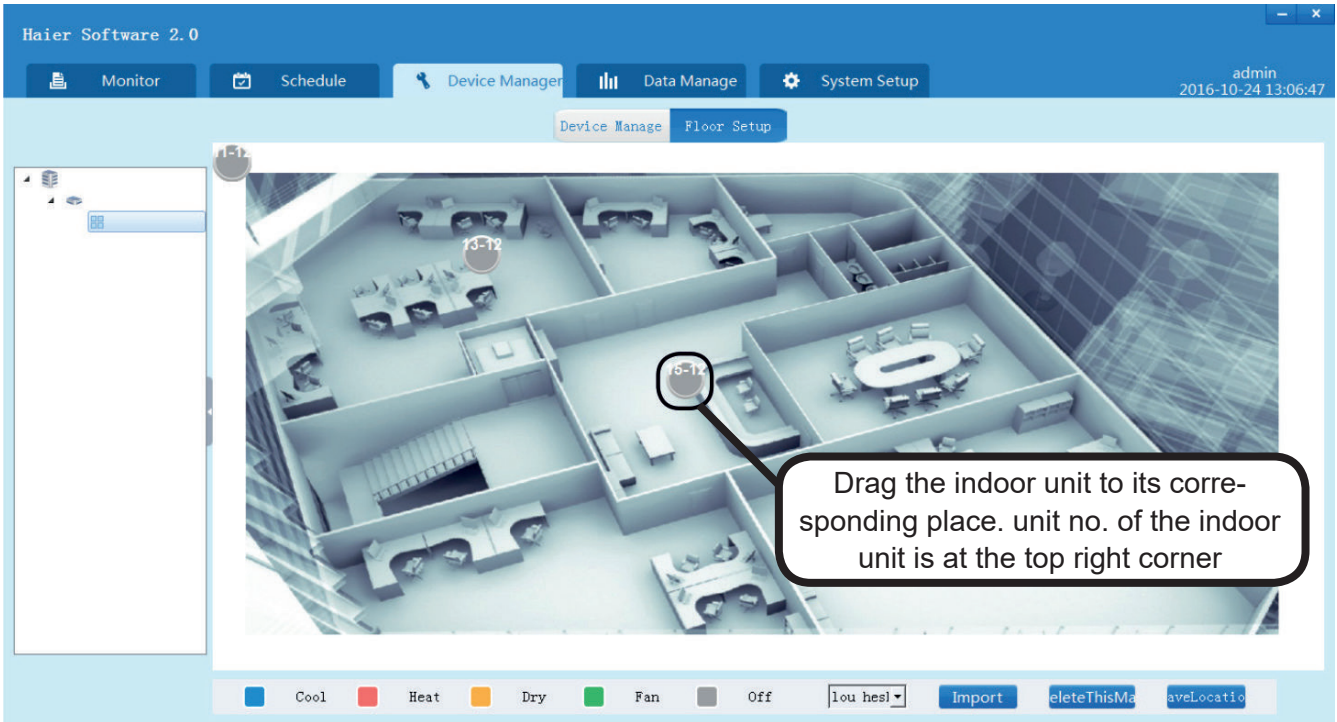


English

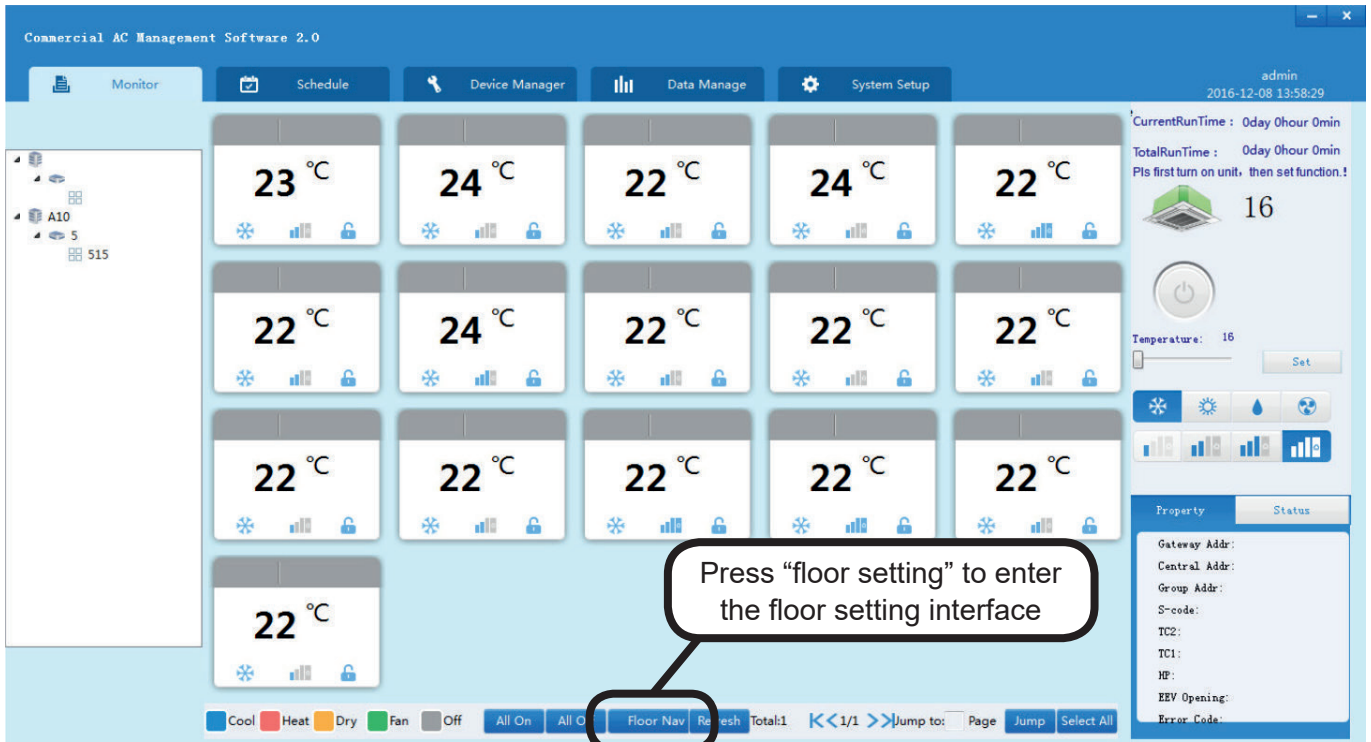




: 1-2 stands for no.1 indoor unit connected to no.2 40VCBM17FQEE. 516 is the room number.



2. Floor setting

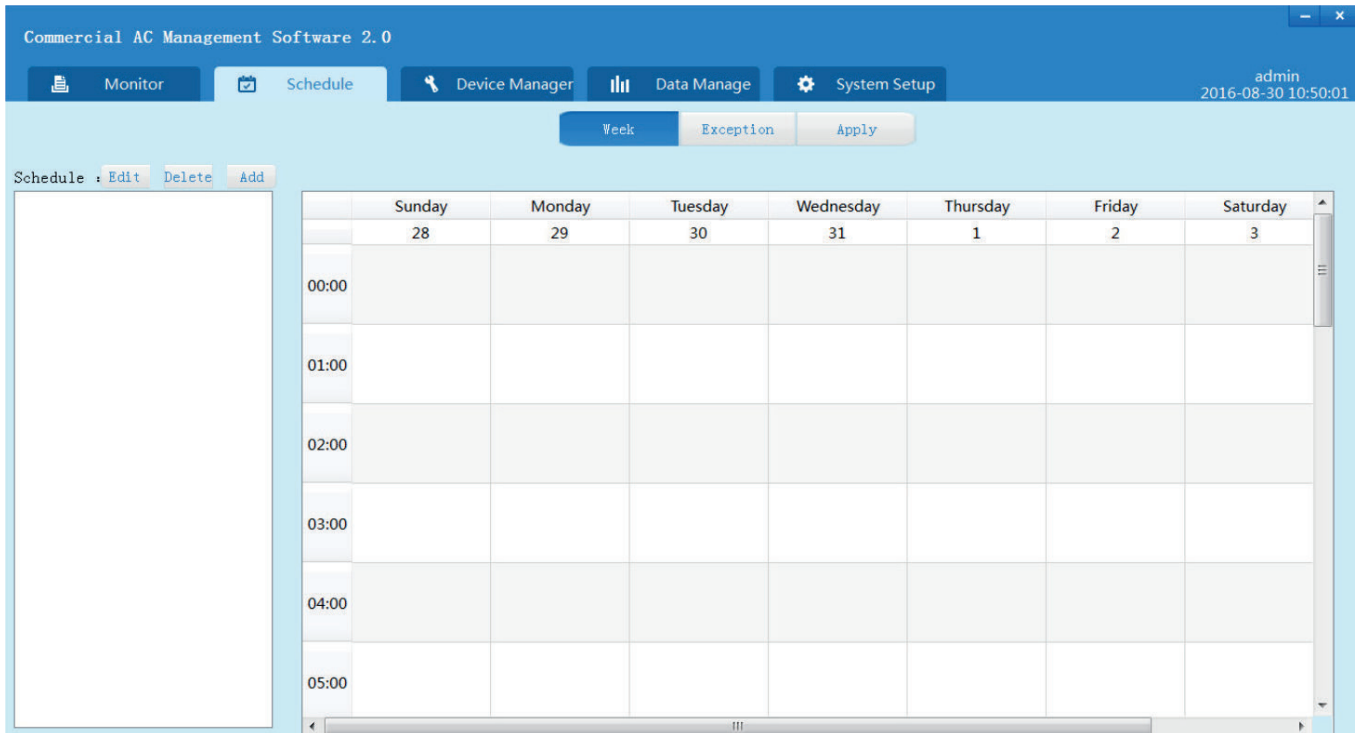


English

Remark : Different floor plans can be used for different floors.

Schedule setting

Press the button “Schedule” in the main page to enter the schedule setting.

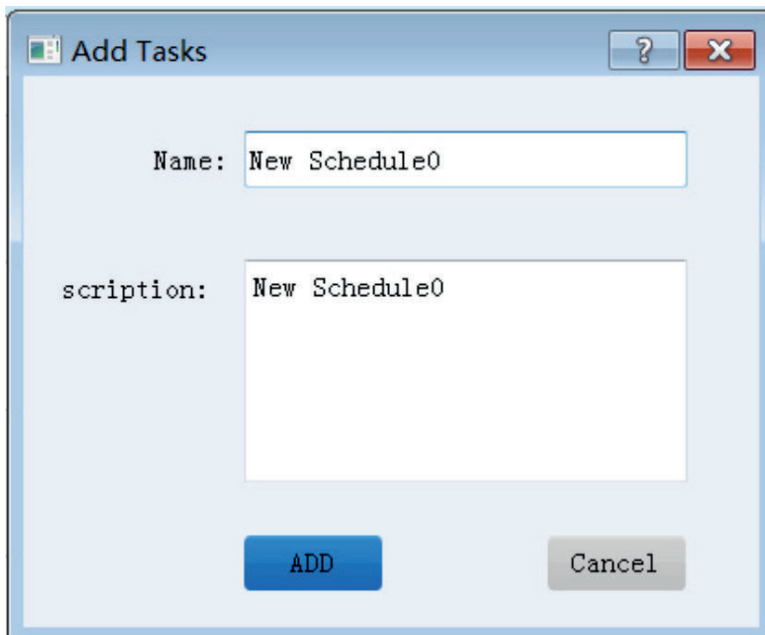


1. Weekly schedule

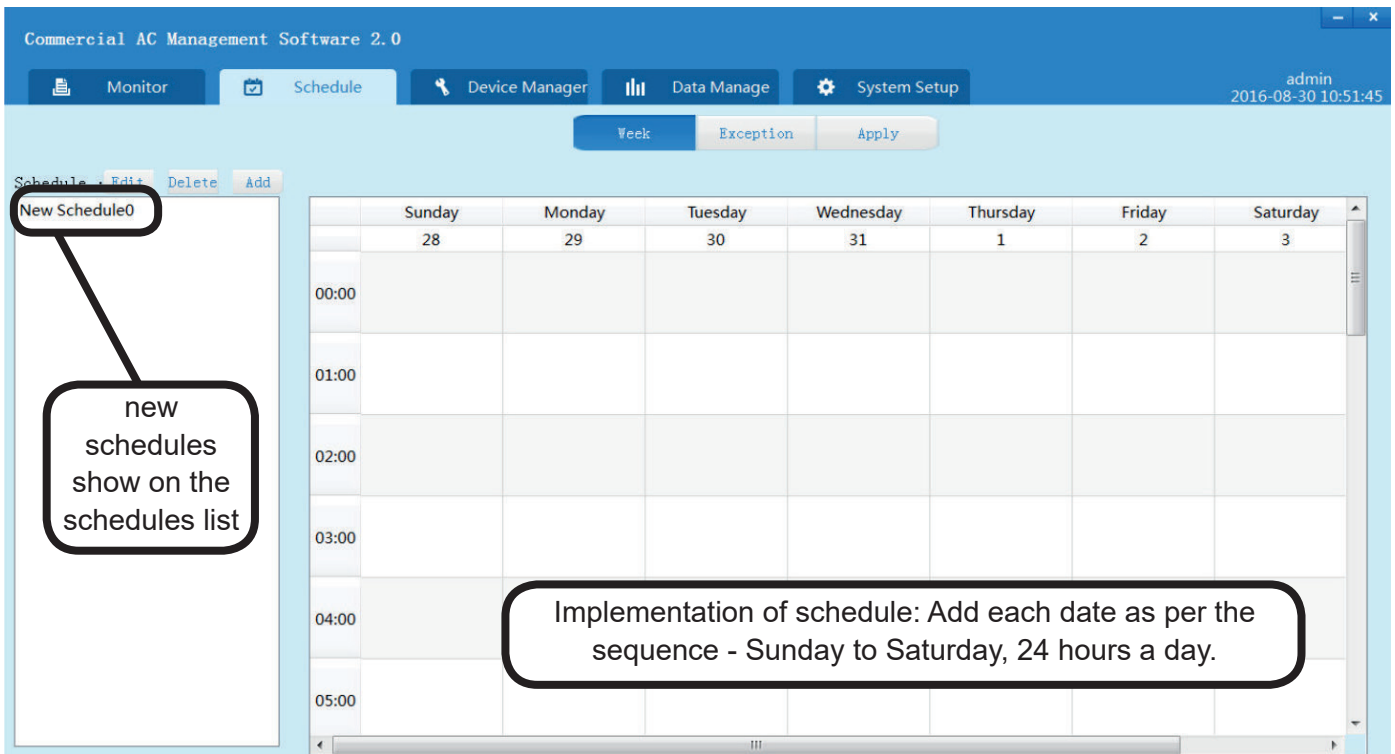
① Press “Add”



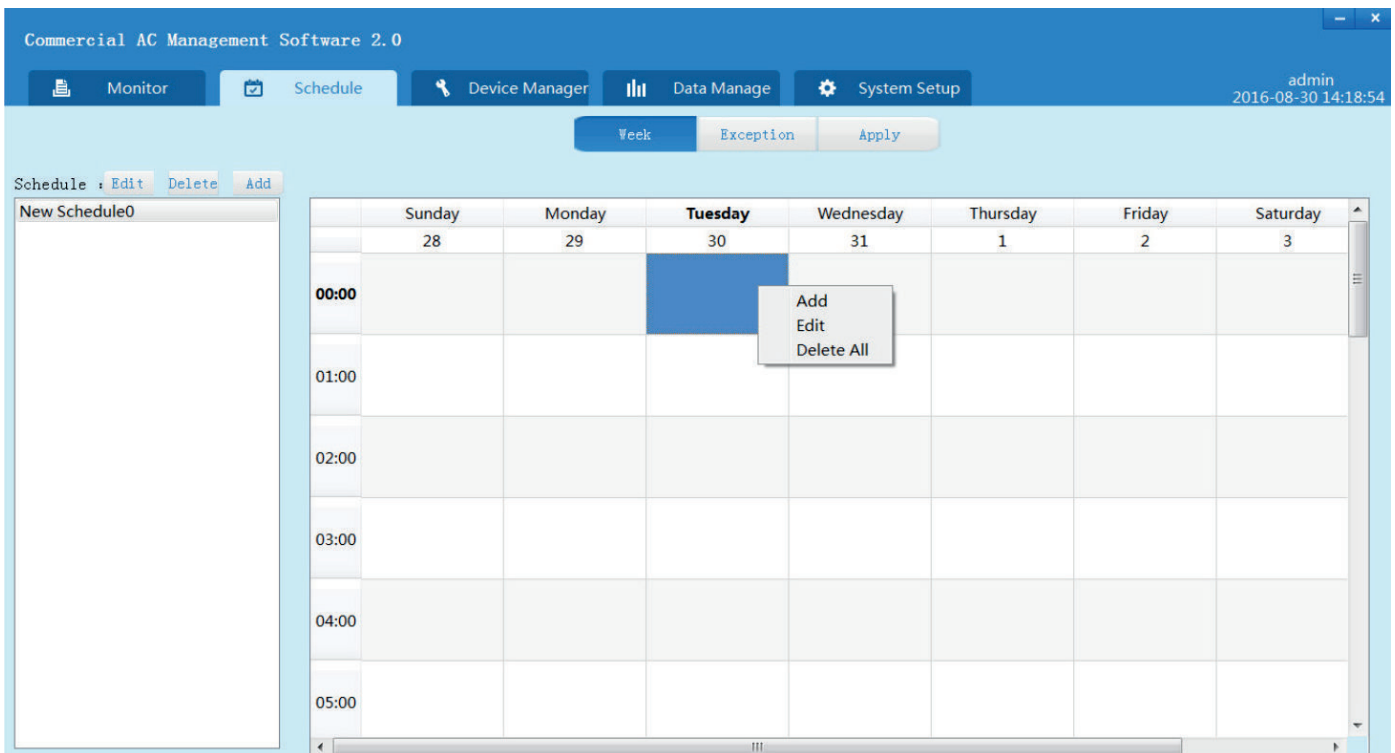
② A dialog box pops out, insert the schedule name, or put the description.



③ Press “ADD” button to create new schedule;



④ In the “new schedule” section, right click on “Implementation schedule area”, you will see a popup menu



⑤ Click on “Add” for the popup menu

Day of Week: Tuesday
Time (24h): 0 : 0
Name: 111
Description: 6666
Power: ON Control Mode: LIFO
Fan Speed: Low Run Mode: Cool
Temperature: 20
Save cancel

For the corresponding default time, right click on the area, you can manually change it.

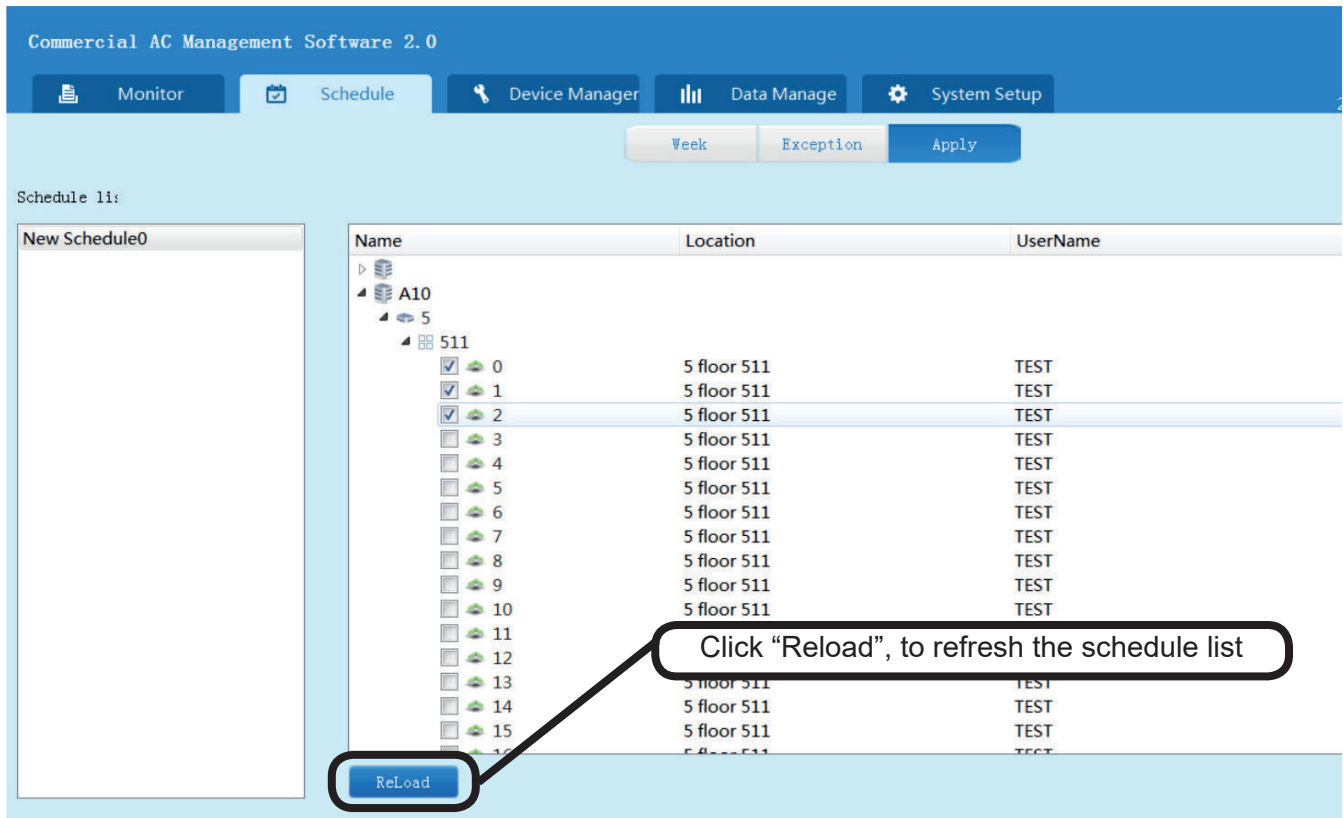
To set the scheduled execution time of switches, control model, temperature, fan speed, operation model set, enter a name and description, set it after the completion. Then click on “save”.

	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
	28	29	30	31	1	2	3
00:00			'00:00','111'				
01:00							
02:00							
03:00							
04:00							
05:00							

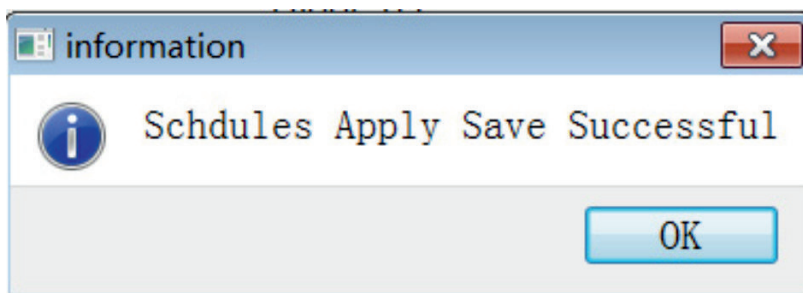
The newly added schedule displays at the corresponding position in the list, including “08:00” as the action execution time, “XXXXX” as the schedule name

After coming back to the schedule setting interface, you see that the corresponding time position displays the execution time and name, thus setting the new schedule. Repeat this action to add new schedules.

- ⑥ In the “Apply” interface, you can select ‘Schedule’ from the schedule list on the left and select the indoor unit from the list on the right side.



Click on “Save” and a prompt dialog box pops up. Click on “OK” and the indoor units selected will execute the selected schedule. Unchecking the indoor and save button will cancel the schedule.

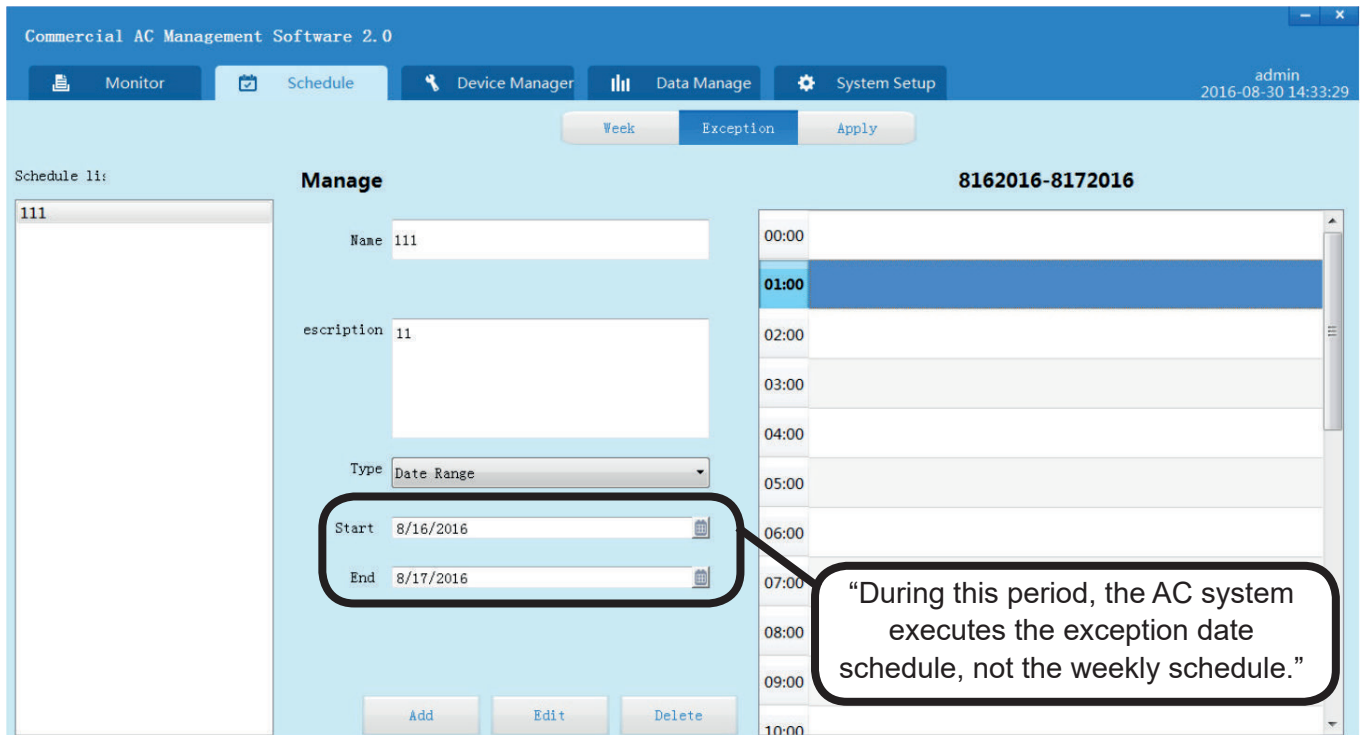


2. Exception Date

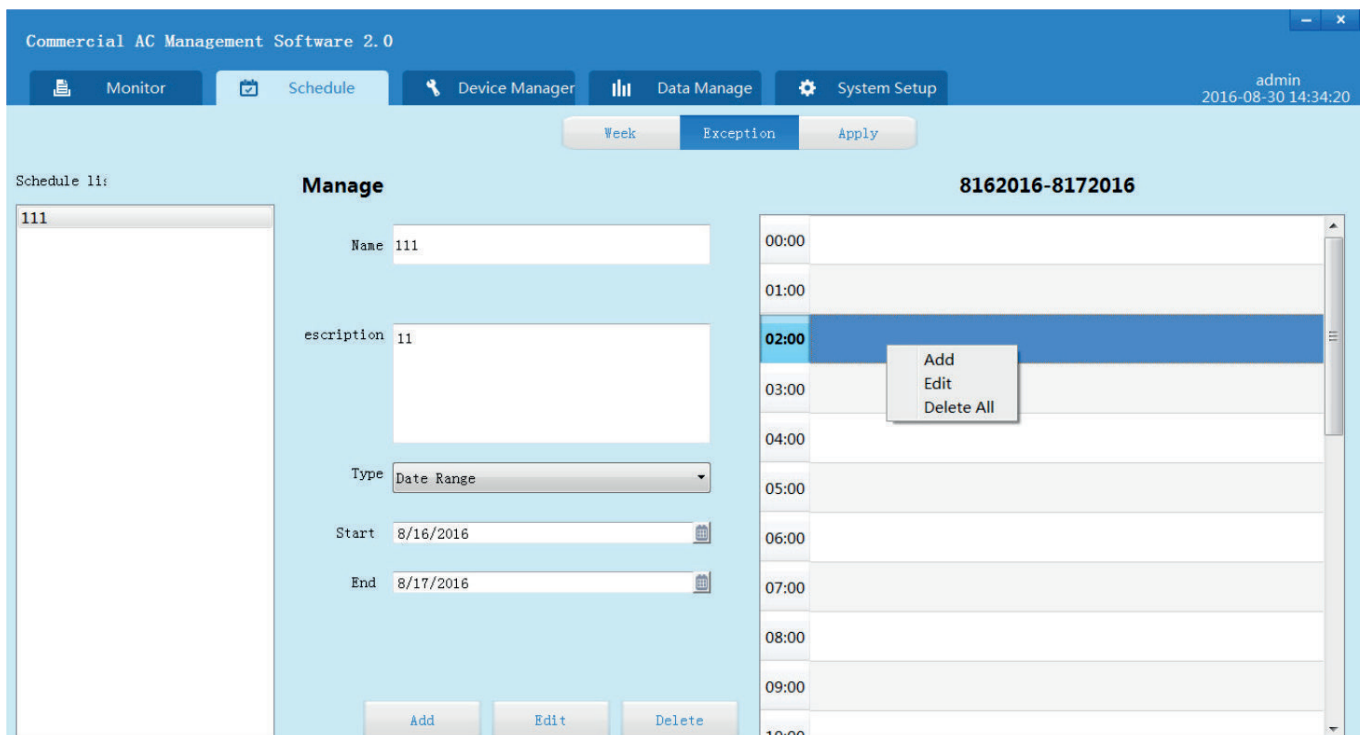
Exception date schedule means the AC system will execute a special schedule that does not follow the already-set weekly schedule.

Steps:

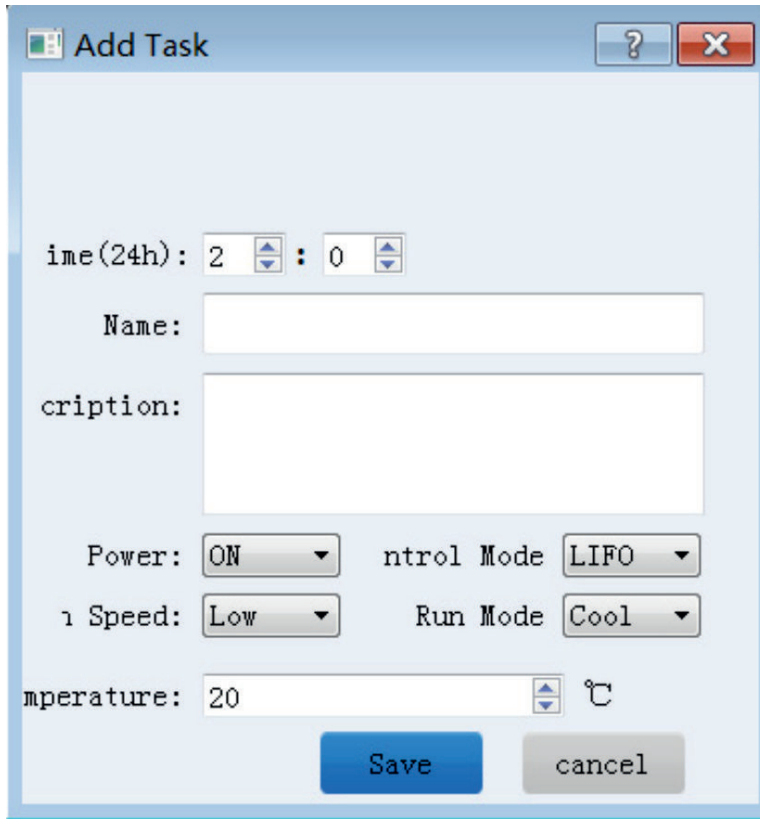
Click on the “Exception” icon, enter the name and description and select the application time range.



- 1 Click on “Add” to add the new schedule. Right click on the timetable, a dialog box will pop-up.



② Click on “Add Task”.



Time(24h): 2 : 0

Name:

Description:

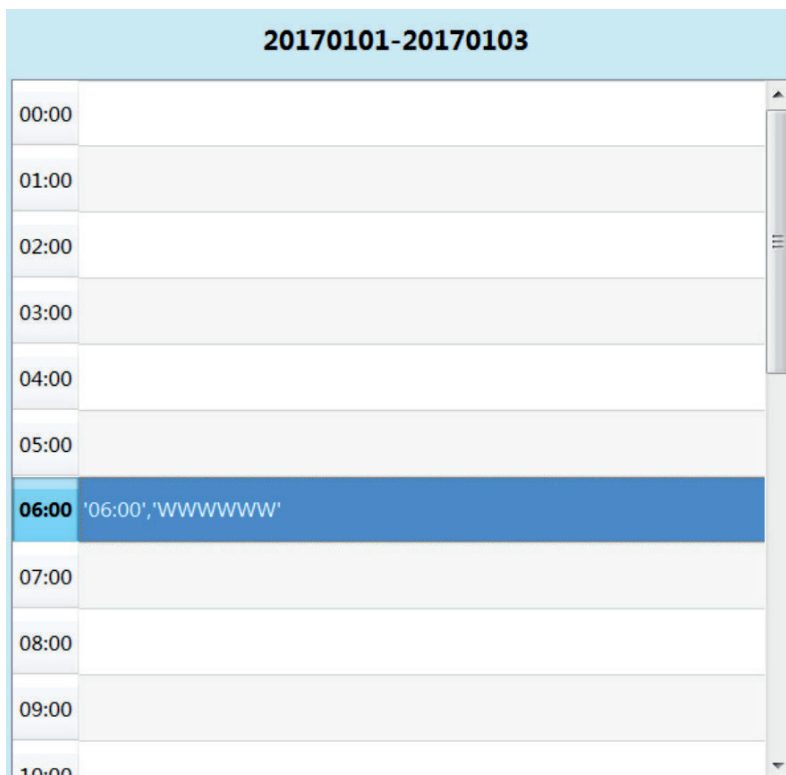
Power: ON Control Mode LIFO

Fan Speed: Low Run Mode Cool

Temperature: 20

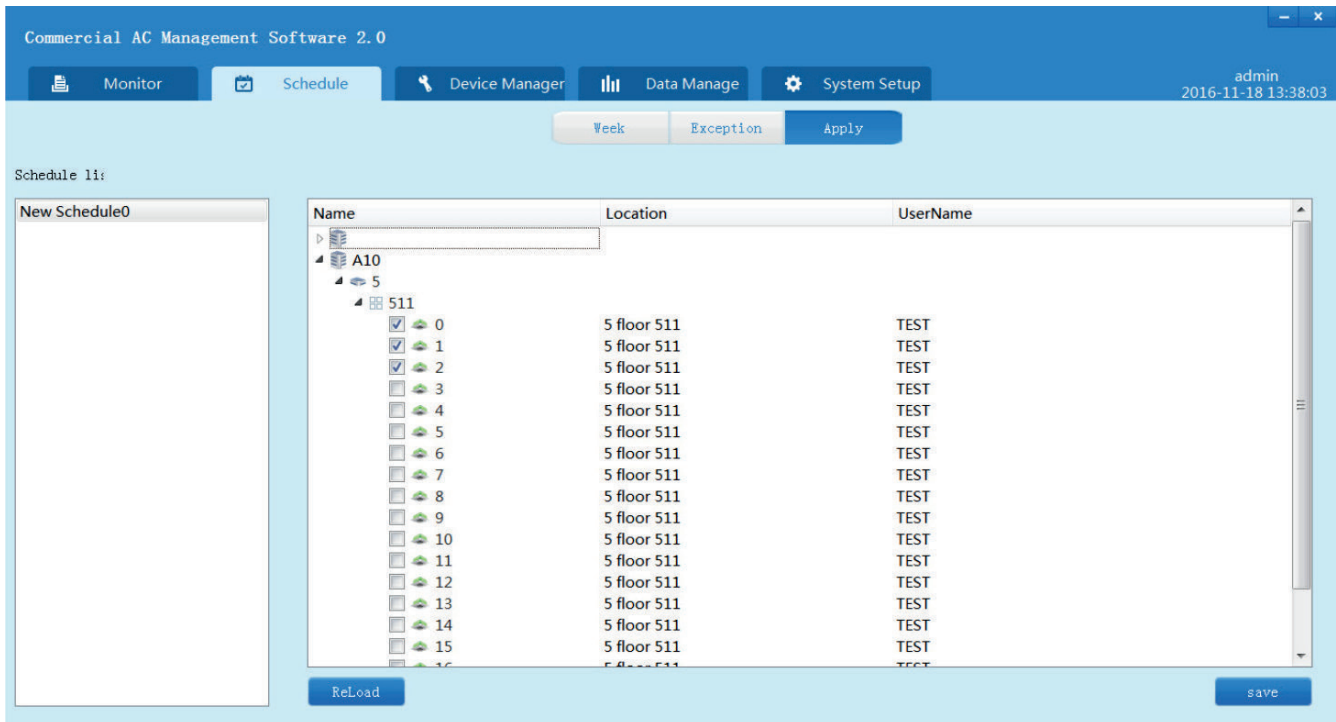
Save cancel

Set the execution time, On/Off, control mode, fan, operation mode, set temperature and schedule name and description. Click on “Save” to save the setting. Go back to the Schedule setting interface. The corresponding time position shows the new schedule. Repeat this action to add new schedules.

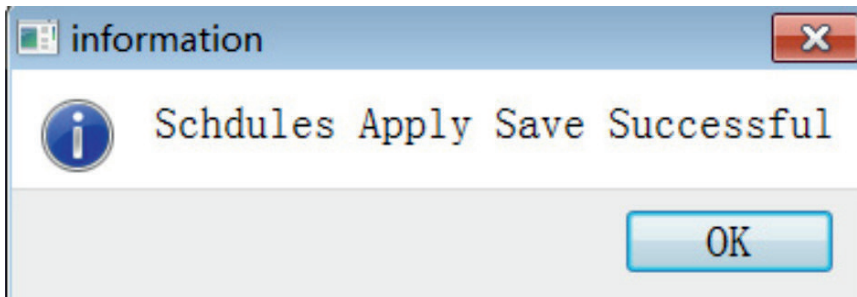


20170101-20170103	
00:00	
01:00	
02:00	
03:00	
04:00	
05:00	
06:00	'06:00', 'WWWWWWW'
07:00	
08:00	
09:00	
10:00	

- ③ In the “Apply” interface, you can select the ‘Schedule’ from the schedule list on the left and select the indoor unit from the list on the right side.



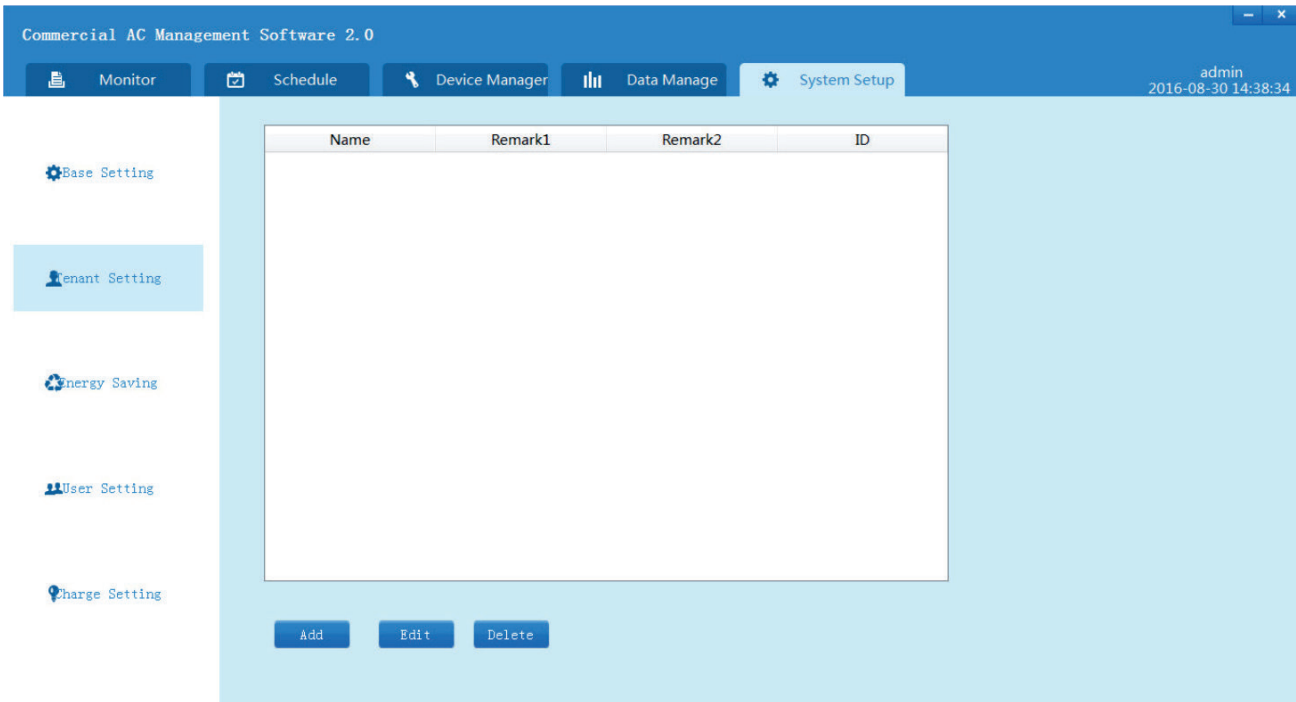
Click on “Save”, popping a prompt dialog box. Click “OK” and the indoor units selected will execute the selected schedule. Unchecking the indoor and save box will cancel the schedule.



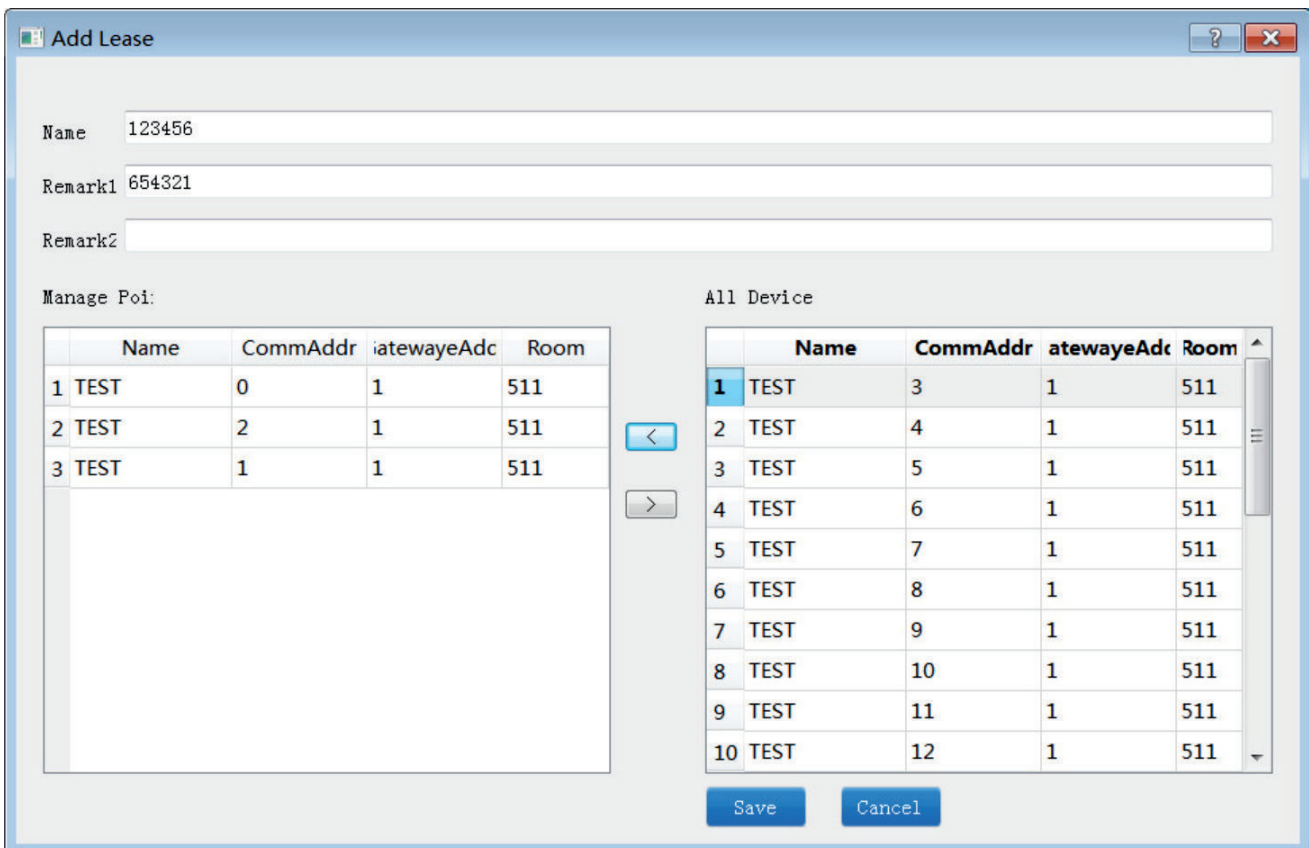
Data Management

Tenant setting and electricity information setting is required before the data management.

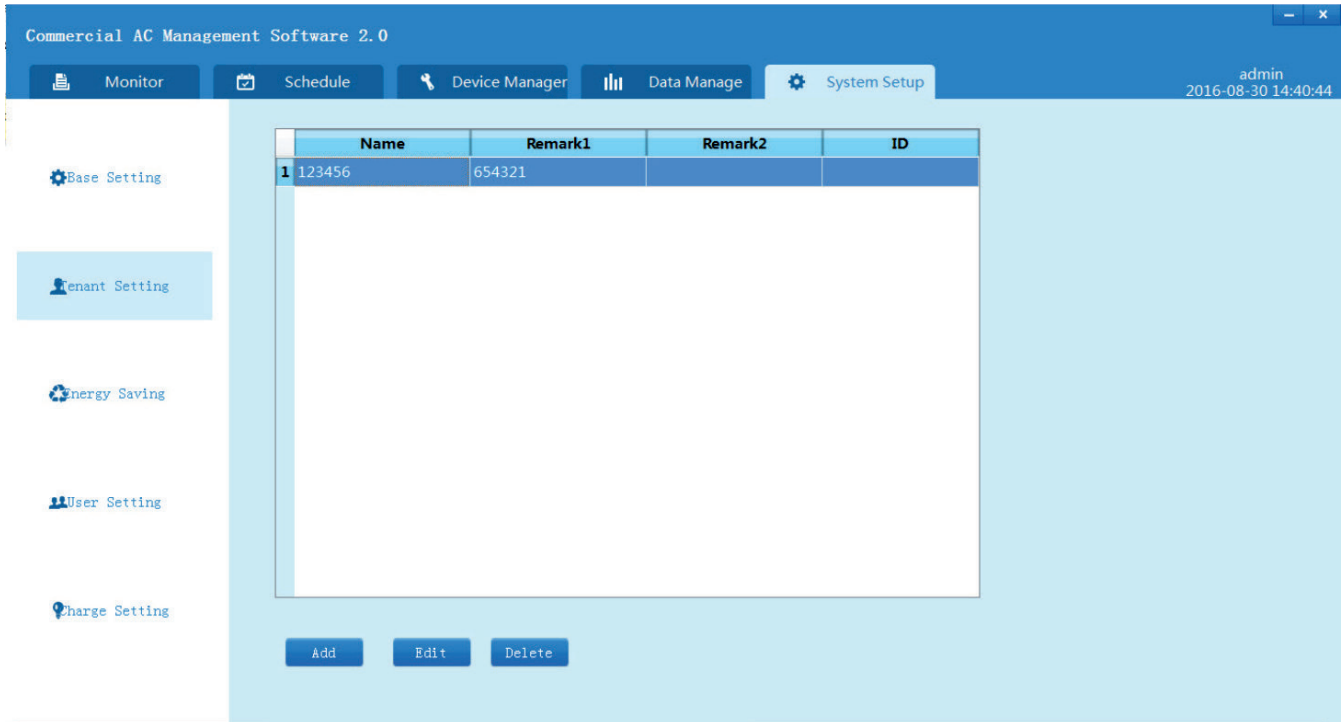
8.1 Tenant Setting



Click on “Add” and then a dialog box pops up. Insert the name and remarks and add the devices from the “All Device” table to the “Manage Point” table.



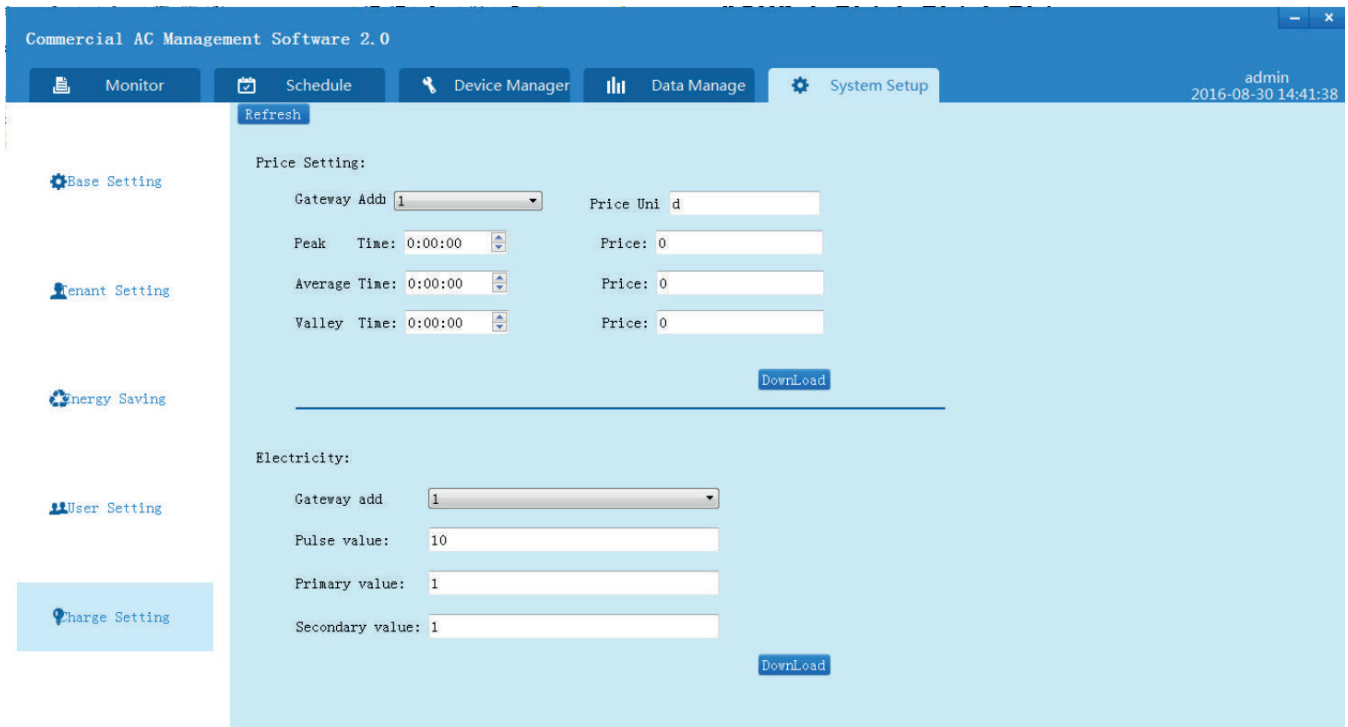
Click on “Save” to finish the tenant setting. The newly added tenant account will be shown in the Tenant Setting table. The accounts can be edited or deleted.



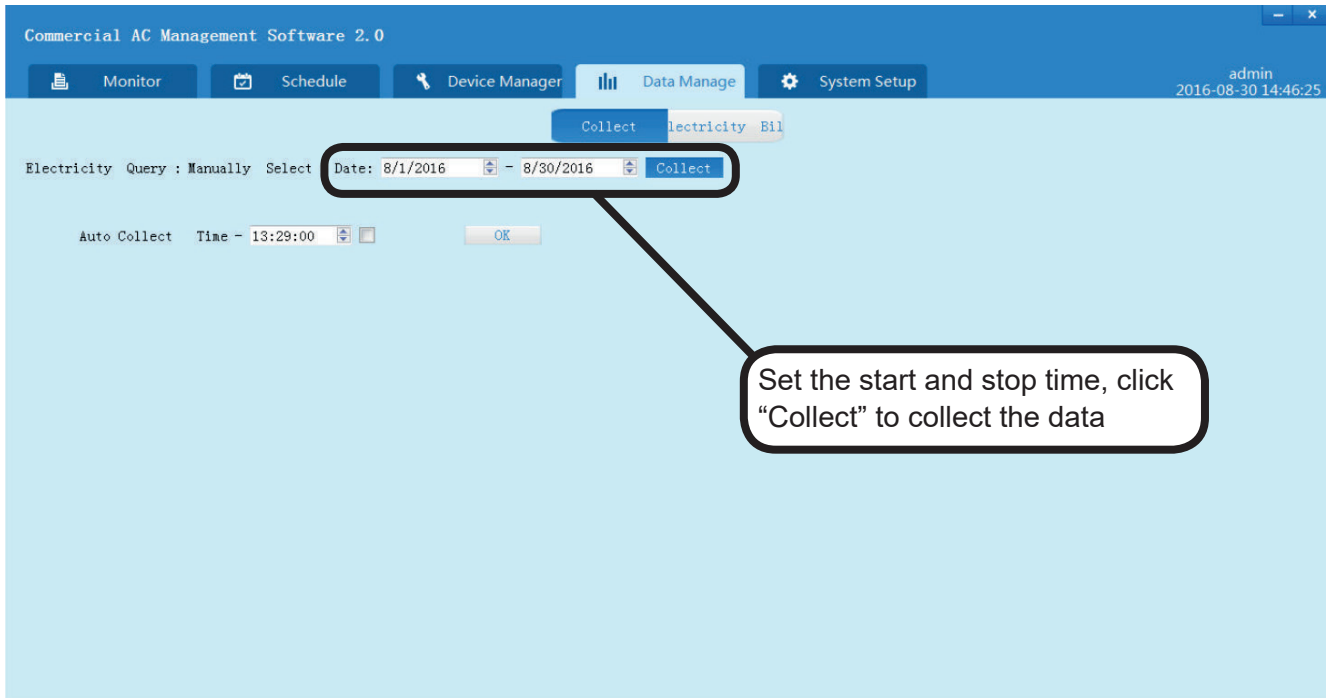
8.2 Electricity information setting

Electricity price setting: Each gateway needs to set the electricity price. Set the start time, price and price unit for peak, average and valley. Click on “Download” to activate the setting.

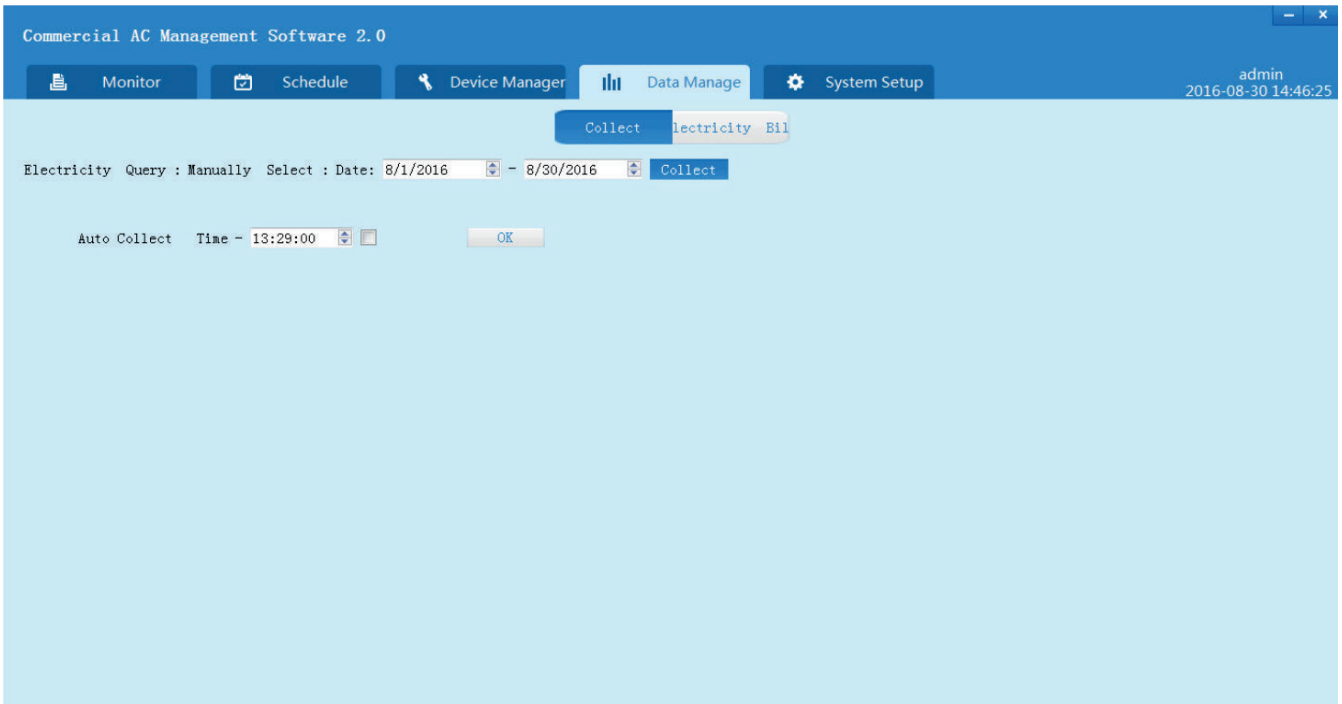
Set the pulse value, primary value, secondary value for each gateway. Click on “Download” to activate the setting.



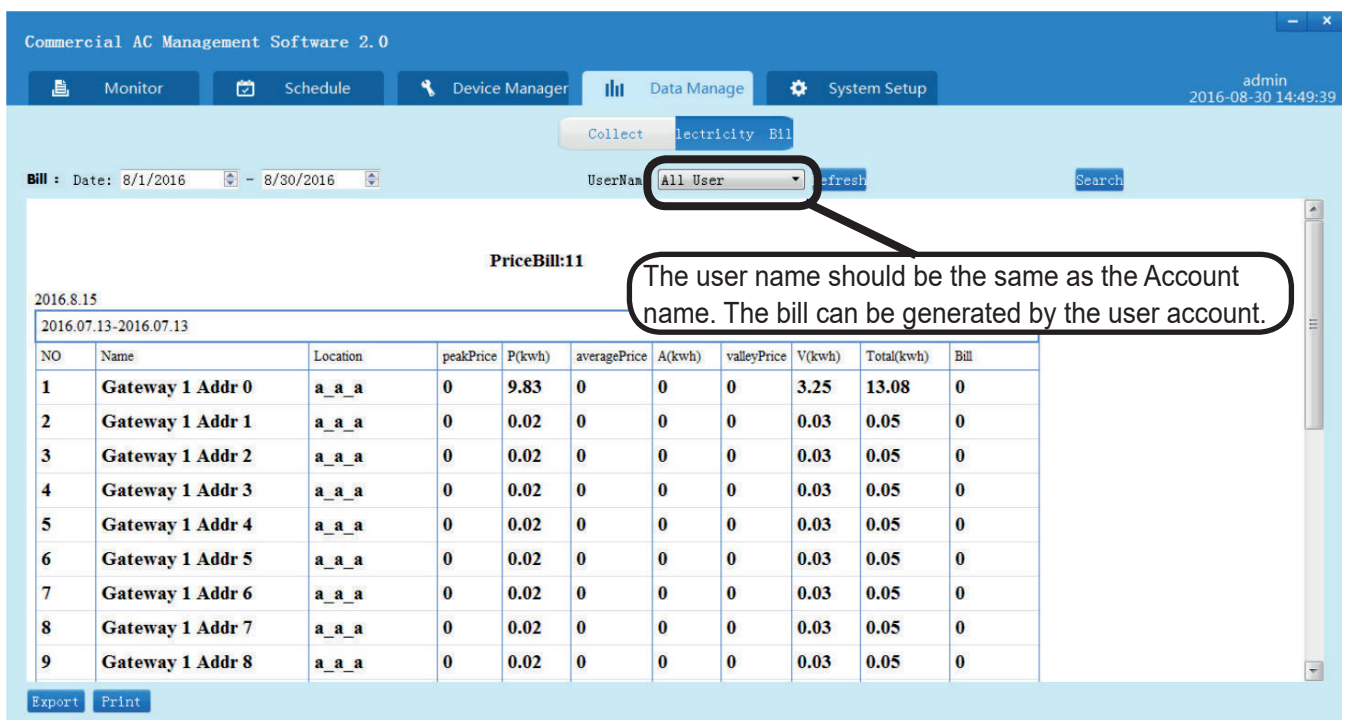
Collect the power consumption data from the “Data Manage” interface. Set the time range and then click “Collect”. The process shows on the interface. Click “Stop” to stop the collection.



“Auto Collect : Set the ‘Auto collect’ time, check the checkbox and then click “OK”. You can automatically collect the power consumption data at the time you set it. Uncheck the checkbox to cancel the auto collection. The manual collection has a higher priority and will cover the data auto collected.”



In the “Electricity Bill” interface, input the time range and username and then click “Search”. It will show the bill on the interface. Click “Export” or “Print” to export or print the bill.



System Running Log

1. Basic setting



Language: English and Chinese are available

Gateway time proofreading: the gateway 40VCBM17FQEE records electricity consumption. "Local PC time" and "User Time" are selectable.

Temperature units: Temperature units setting for each interface. Celsius and Fahrenheit are optional.

Modbus port Setting: Third-party interface provides it through the computer serial port.



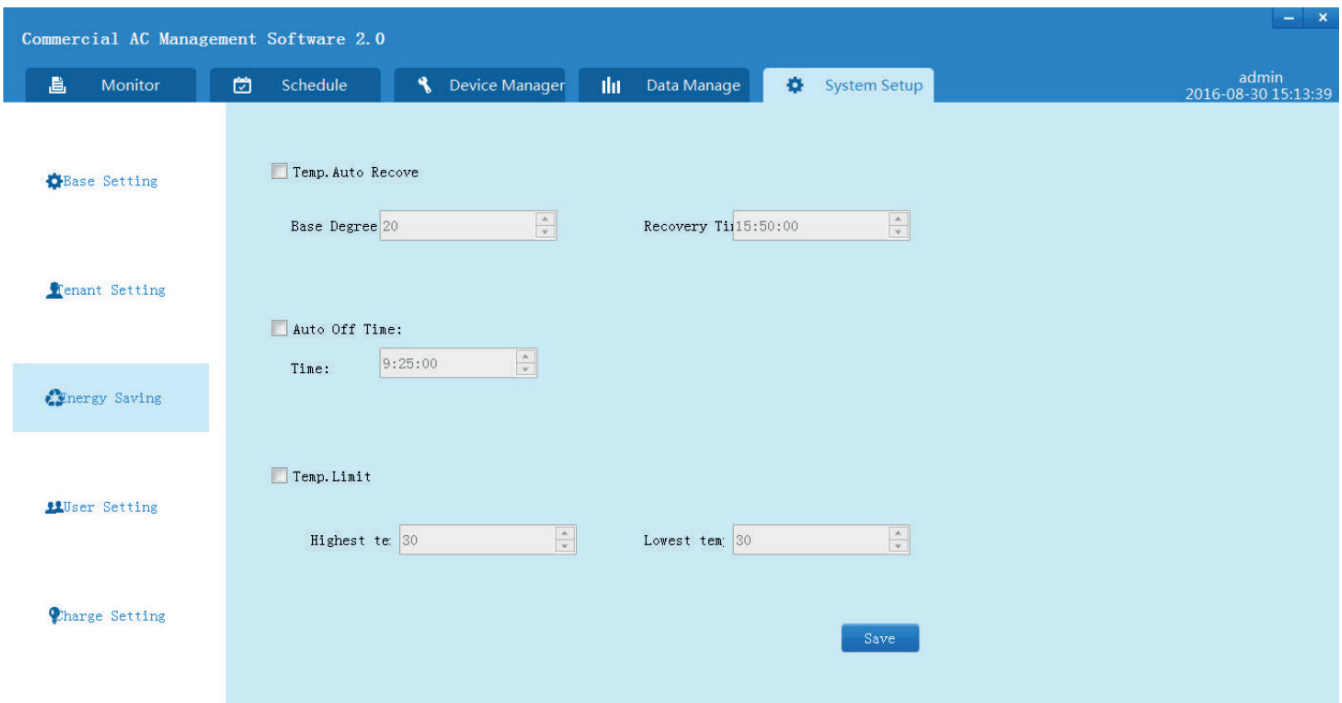
Connect 485 serial port to the computer, select the corresponding port in the port setting interface and then click “Open Com”. The third-party software can query and control the Air-Con indoor units through this port.

2. Energy Saving Settings

Temperature auto recovery: When it reaches the recovery time, the set temperature becomes the “Base degree” automatically.

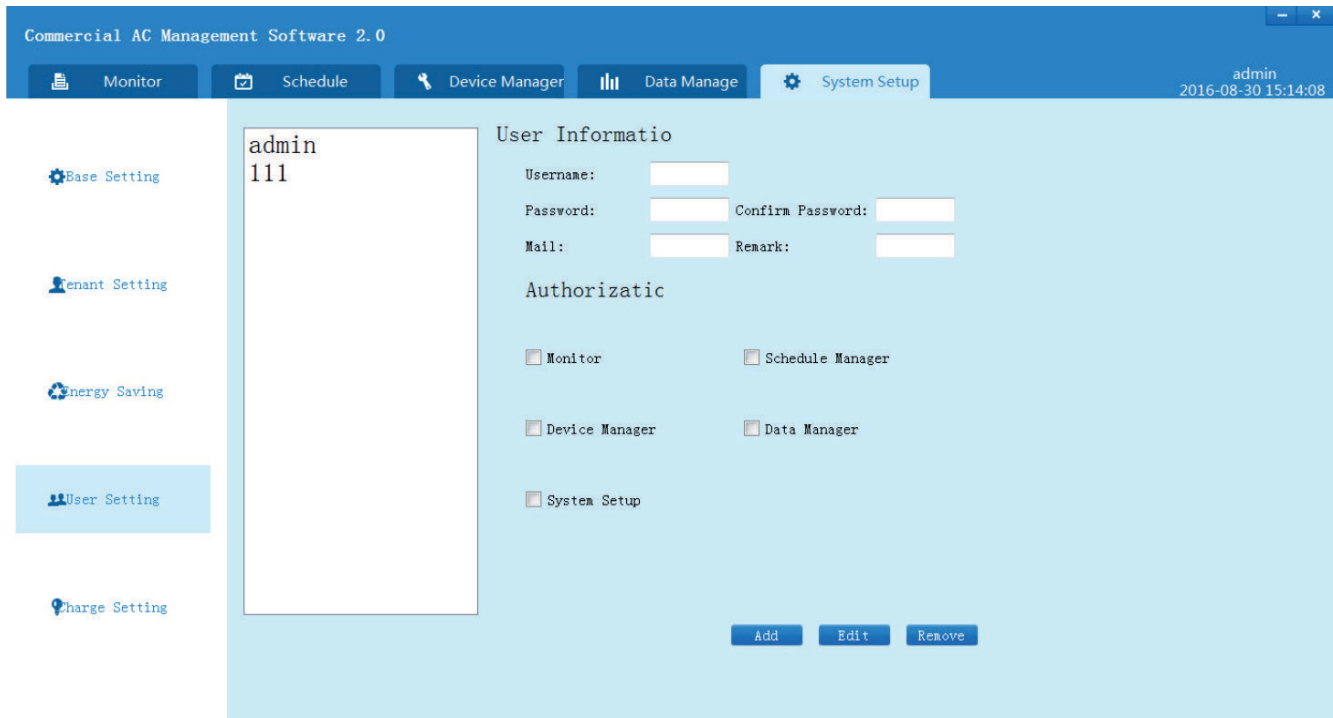
Power off: Switches the power OFF when it reaches the set time.

Temperature limit: Set the temperature limit to save energy. The set temperature should not exceed the highest temperature in heating mode and should not be lower than the lowest temperature in cooling and dry mode.



3. User management

Add, edit and delete the user information, including username, password, email, and remark, and set the permissions for users.





Turn to the experts

The manufacturer reserves the right to change any product specifications without prior notice.

Information according to the 2006/42/EC Directive	
Name of the manufacture	Carrier SCS
Address, city, country	Route de Thil - 01120 Montluel – France



Turn to the experts



Manuale di installazione e funzionamento

NOME DEL MODELLO

40VCB117FQEE

N. 0150545715

Edizione: 2021-04



Indice

Breve introduzione	1
Schema di cablaggio del sistema	2
Installazione software.....	7

Il sistema BMS trasferisce i dati di un condizionatore d'aria al computer tramite l'adattatore di protocollo dell'inverter (gateway). L'utente può monitorare lo stato di funzionamento dell'unità interna ed esterna in tempo reale utilizzando il computer. Impostare il parametro del sistema nel tempo; avviare o arrestare le unità interne singolarmente o nel gruppo secondo necessità. Ricevere allarmi e prendere misure correttive in tempo reale.

Apparecchiature necessarie per il sistema 40VCB117FQEE

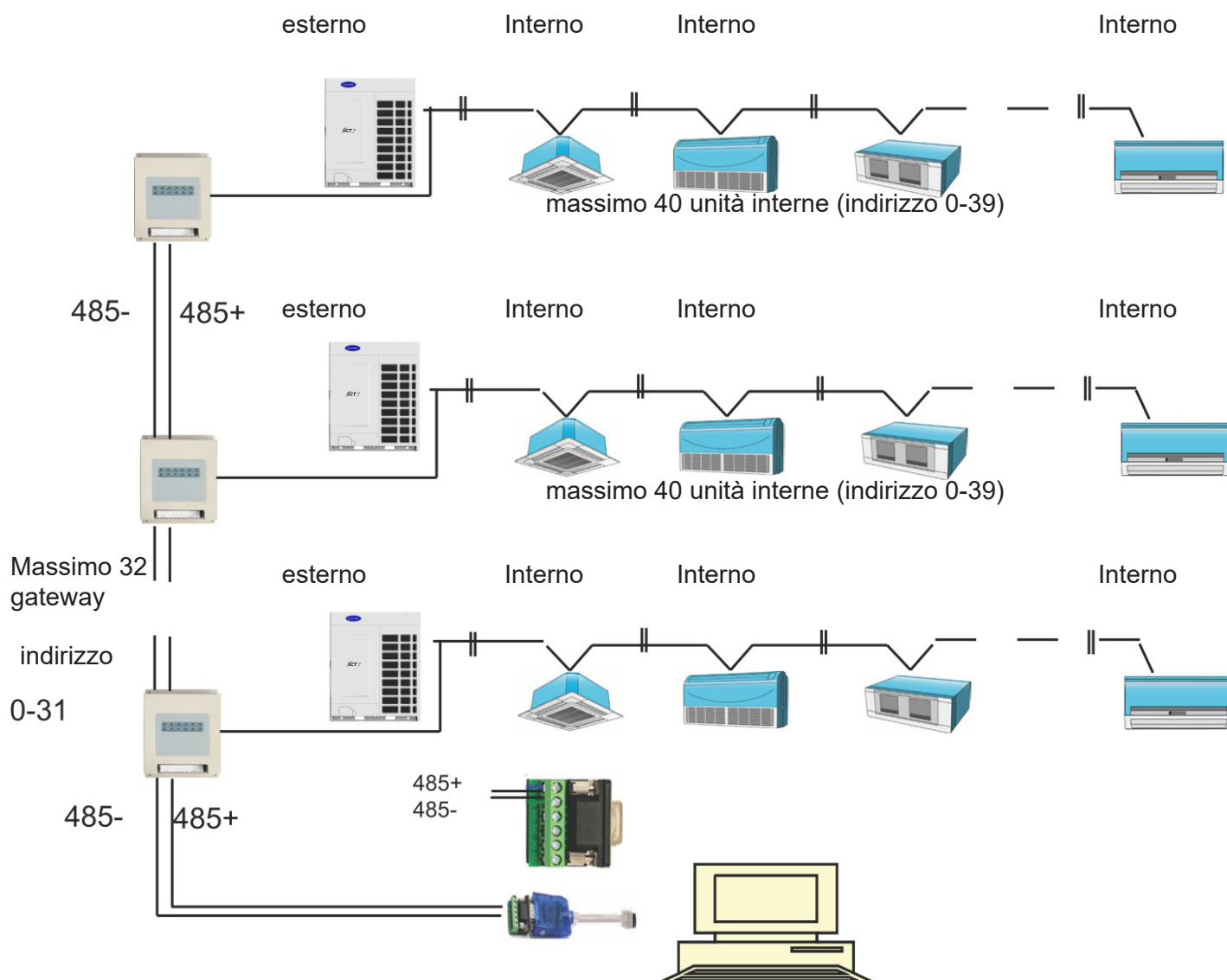
1. Gateway: Converte il protocollo del sistema di condizionamento d'aria nel protocollo 485.
2. Software: Abilita la visualizzazione e il controllo dei parametri AC dal computer. Ogni computer può installare solo una serie di software.
3. Adattatore: da USB a RS-485, da convertitore 485 a USB.
4. Gateway: 40VCCR17FQEE, 40VCBM17FQEE.

Scala controllabile

1. A ogni sistema di raffreddamento è possibile collegare un massimo di 40 (0-39) unità interne.
2. Ogni sistema di raffreddamento richiede un adattatore di protocollo e un gateway.
3. È possibile collegare un massimo di 32 gateway a una serie di software. È possibile collegare un massimo di 512 unità interne a una serie di software.
4. Durante l'installazione del software, il sistema controlla massimo 32 gateway o 512 unità interne alla volta. Il sistema blocca l'ulteriore aggiunta di gateway o unità interne al sistema.

Per esempio:

- Il software (40VCB117FQEE) è stato collegato a 32 gateway e 200 unità interne. Non è possibile aggiungere più gateway.
- Il software (40VCB117FQEE) è stato collegato a 512 unità interne e 20 gateway. Non è possibile aggiungere altre unità interne, sebbene il software possa ancora aggiungere altri 12 gateway.

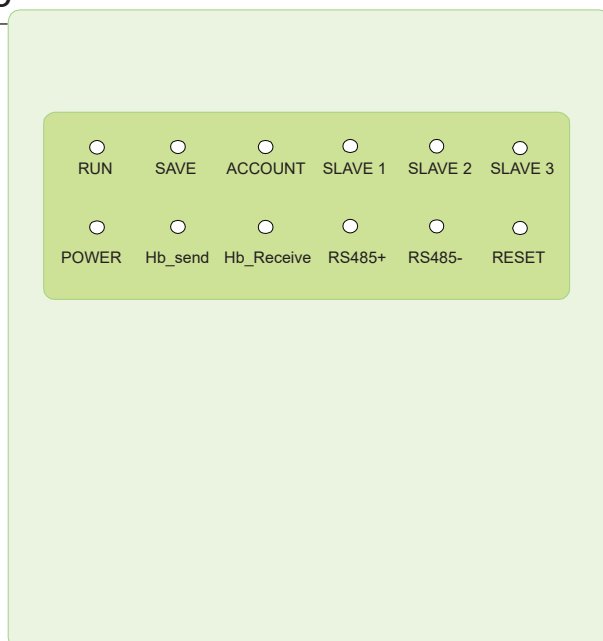


Aspetto e dimensione dell'adattatore di protocollo

Aspetto:



Dimensioni: 200*130*43 (mm)



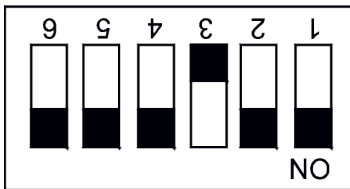
Richiesta cablaggio

1. L'adattatore di protocollo necessita di alimentazione a 220 V CA.
2. In H-CACSII la linea di comunicazione tra l'unità interna ed esterna e la linea bus 485 tra gli adattatori di protocollo deve passare attraverso una guaina in filo di acciaio.
3. Impostare manualmente l'indirizzo centrale interno e l'indirizzo dell'unità interna/esterna.
4. Il sistema con H-CACSII non deve impostare la funzione di gruppo del controller cablato.

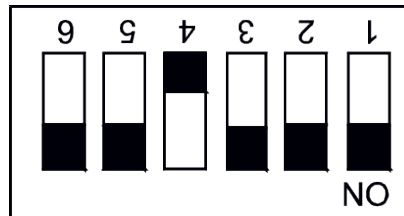
Impostazione del commutatore dip-switch:

ON (Acceso) 0. OFF (Spento): 1

Sinistra 4

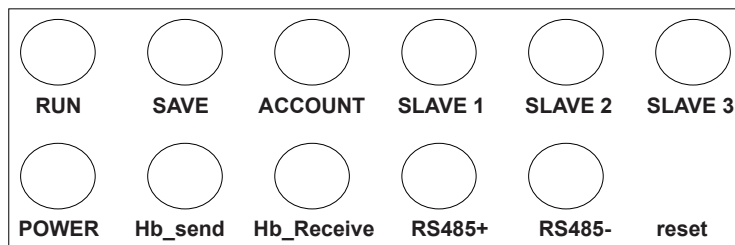


Destra 8

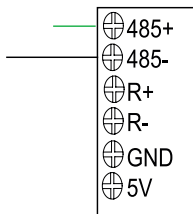
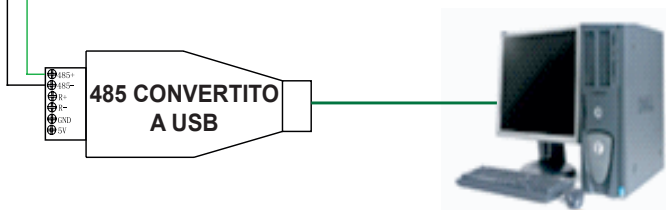
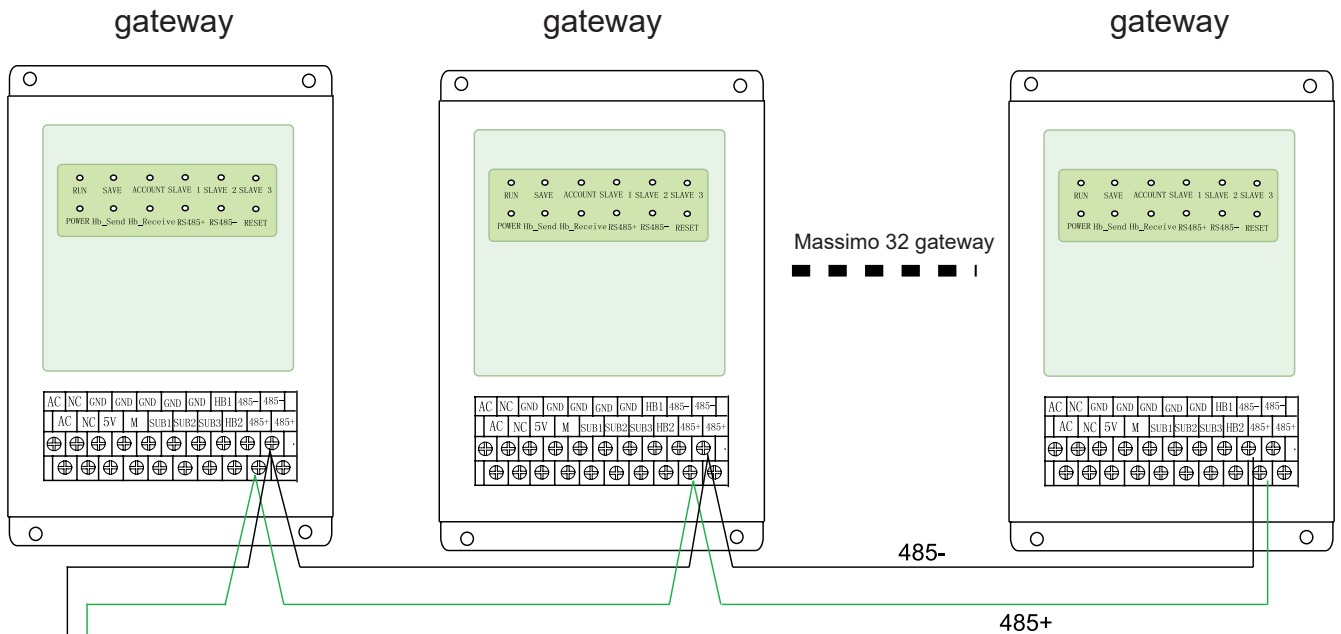
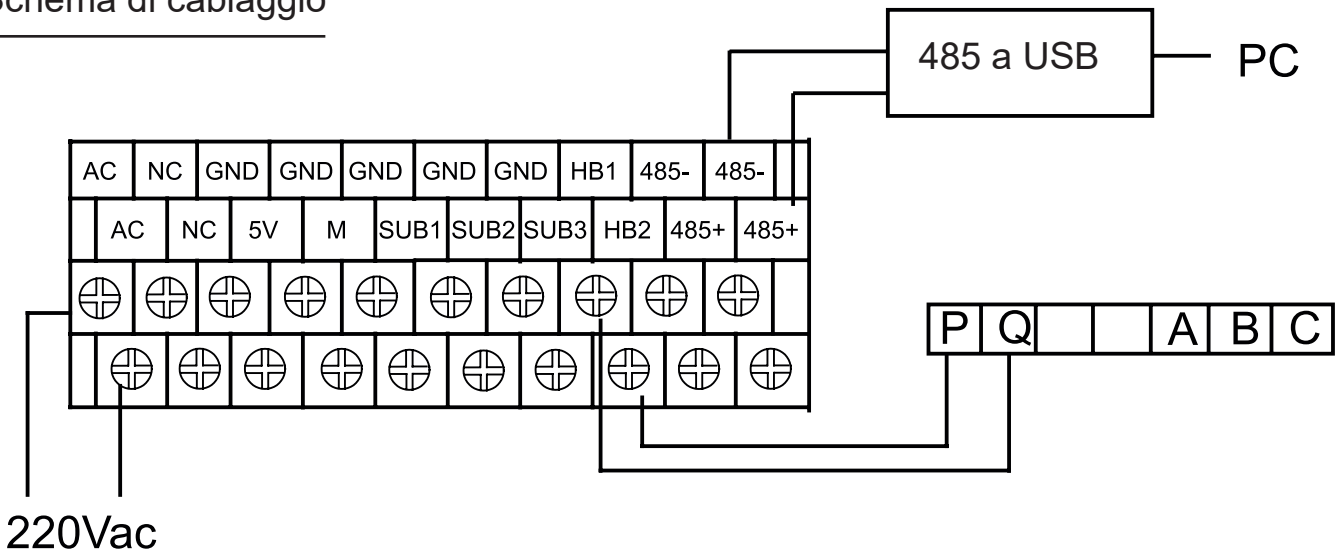


Mostra indirizzo di 40VCBMG7FQEE, intervallo di indirizzo: 1-32.

Definizione indicatore di comunicazione:



Schema di cablaggio



Adattatore: RS-485 a USB



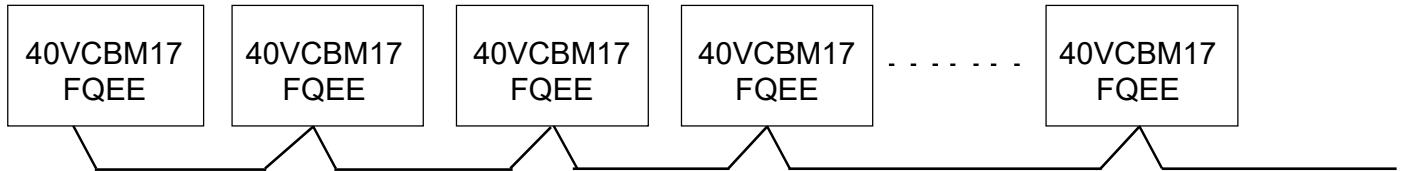
Cablaggio:

1. Cavi di alimentazione: 220 V CA, 50 Hz.

Usare le specifiche richieste e fissare saldamente.

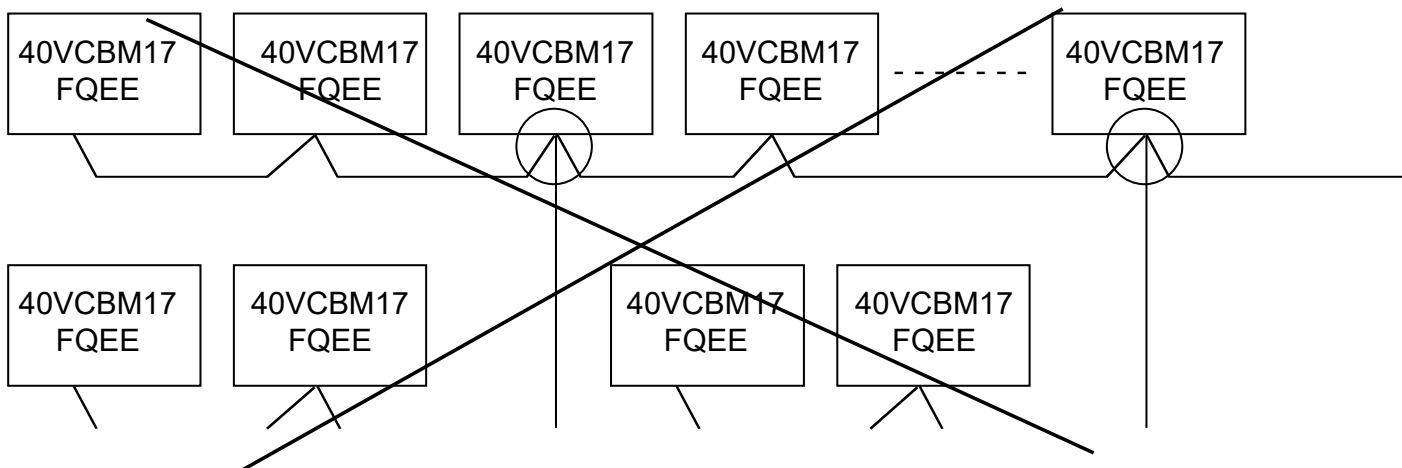
2. Cavi di comunicazione:

I cavi tra 40VCBM17FQEE devono utilizzare due fili con polarità e un collegamento ad anello.



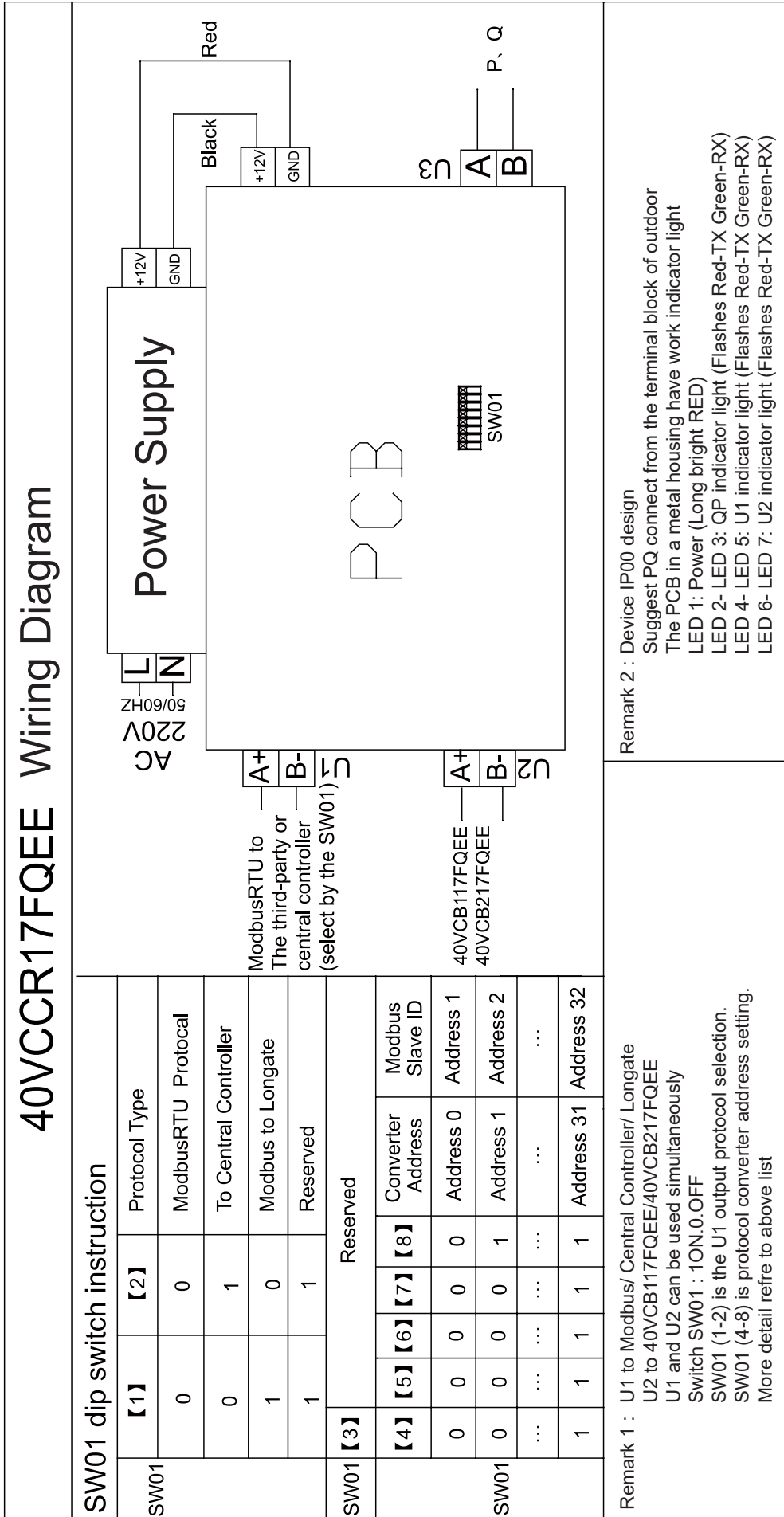
Avvertenza:

Non sono consentiti i seguenti collegamenti (con interconnessione):



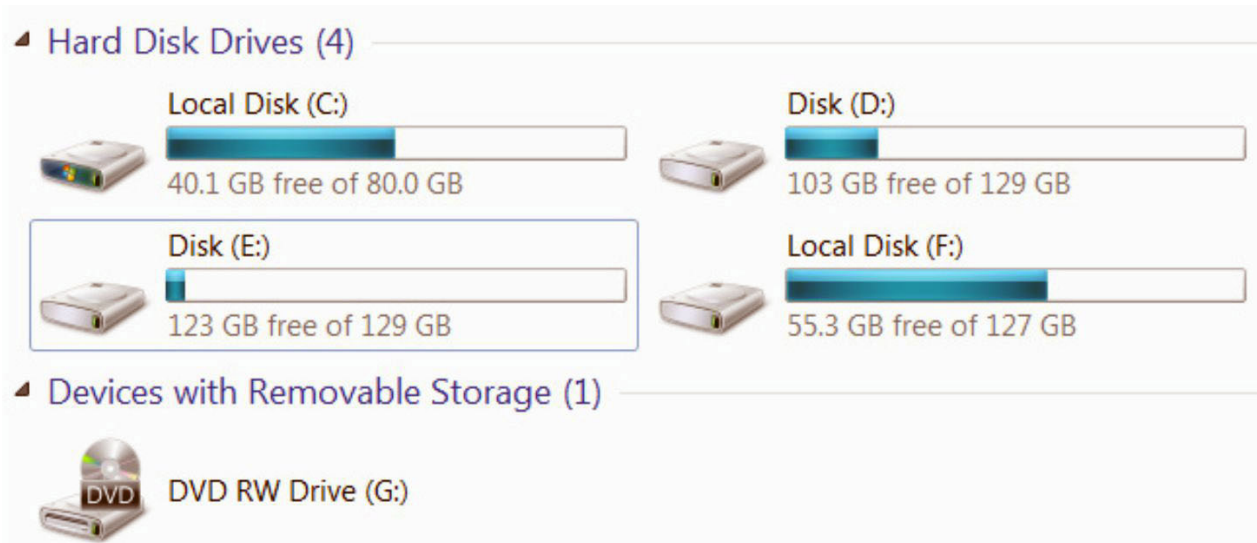
Nota:

- (1) I cavi di comunicazione tra 40VCBM17FQEE e 40VCBM17FQEE devono utilizzare cavi di schermatura a due conduttori e devono essere collegati a terra.
- (2) La guaina in filo di ferro deve essere utilizzata per l'installazione dei cavi di comunicazione e deve essere separata dai cavi di alimentazione.
- (3) I cavi di comunicazione sono sensibili alla polarità
- (4) La lunghezza totale dei cavi di comunicazione deve essere al massimo di 500 m.
3. Un massimo di 40 set di unità interne potrebbe essere usato in ogni sistema esterno;
4. Durante l'utilizzo di 40VCBM17FQEE, impostare manualmente l'indirizzo delle unità interne dal num. 0 all'ultimo in ciascun set del sistema di unità esterne. Mantenere lo stesso indirizzo dell'unità interna ed esterna (sw03) e l'indirizzo centrale (sw02) della stessa unità interna.
5. La linea tra l'unità interna e quella esterna, la linea tra gateway e gateway e la linea impulsi devono trovarsi a una distanza di almeno 20 cm dalla linea ad alta tensione.



Installazione del database

1. Inserire il disco nel CD-ROM. Fare doppio clic sull'icona (come mostrato):



2. Il disco contiene diversi file del driver per diversi sistemi informatici.

Name	Date modified	Type
Linux x64 (64-bit)	2016/4/19 16:36	File folder
Linux x86 (32-bit)	2016/4/19 16:36	File folder
Linux x86_64	2016/4/19 16:36	File folder
Mac OS 8 9	2016/4/19 16:36	File folder
Mac OS X 10.9 and above	2016/4/19 16:36	File folder
uninstall software	2016/4/19 16:36	File folder
win xp server2003 2008 2012 Vista 7 8 8.1 10 32-64bit	2016/4/19 16:36	File folder
win98 ME	2016/4/19 16:36	File folder
Date created: 2016/10/9 17:28 Size: 656 KB Folders: 232, 2232	2016/4/19 16:36	File folder
Windows CE 4.2-5.2 Mobile 5 6 PocketPC 2003 ARM XScale Processor	2016/4/19 16:36	File folder
Windows CE 6.0 ARM XScale Processor	2016/4/19 16:36	File folder
Windows CE 6.0 x86 Processor	2016/4/19 16:36	File folder
Windows CE 2013	2016/4/19 16:36	File folder
LINUX README.txt	2016/4/19 16:36	Text Document

3. Scegliere il driver corrispondente al proprio computer. Per esempio Windows 7 32 bit. Fare doppio clic



e verrà visualizzato

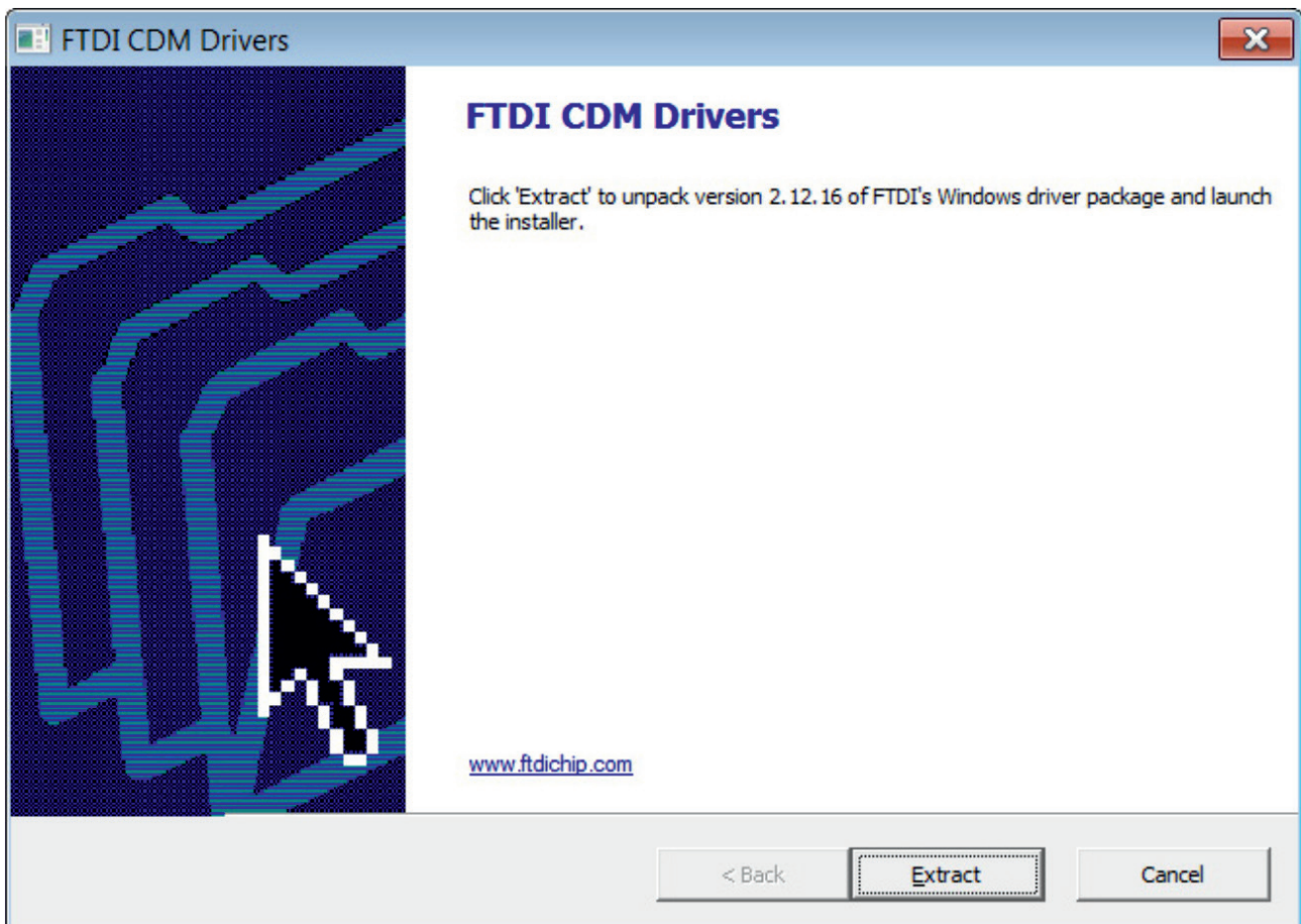
amd64	2016/4/19 16:36	File folder	
i386	2016/4/19 16:36	File folder	
Static	2016/4/19 16:36	File folder	
CDM 2 12 16 Release Info.rtf	2016/4/19 16:36	RTF 格式	216 KB
CDM v2.12.16 WHQL Certified.zip	2016/4/19 16:36	好压 ZIP 压缩文件	1,322 KB
CDM21216_Setup.exe	2016/4/19 16:36	Application	2,075 KB
CDM21216_Setup.rar	2016/4/19 16:36	好压 RAR 压缩文件	2,021 KB
ftd2xx.h	2016/4/19 16:36	H File	40 KB
ftdibus.cat	2016/4/19 16:36	Security Catalog	15 KB
ftdibus.inf	2016/4/19 16:36	Setup Information	18 KB
ftdiport.cat	2016/4/19 16:36	Security Catalog	14 KB
ftdiport.inf	2016/4/19 16:36	Setup Information	15 KB

Type: Security Catalog
Size: 13.3 KB

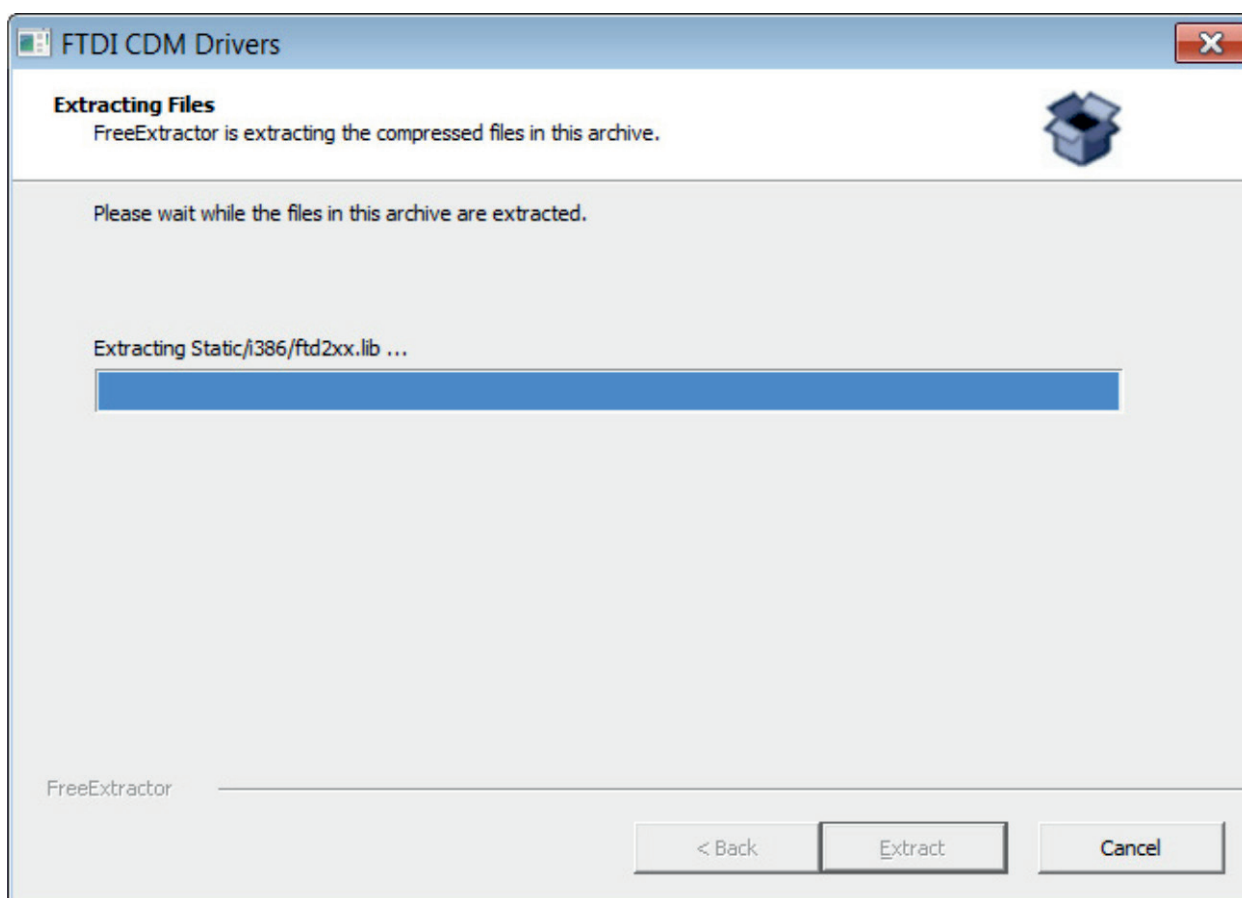
4. Fare doppio clic su

CDM21216_Setup.exe	2016/4/19 16:36	Application	2,075 KB
---------------------------	-----------------	-------------	----------

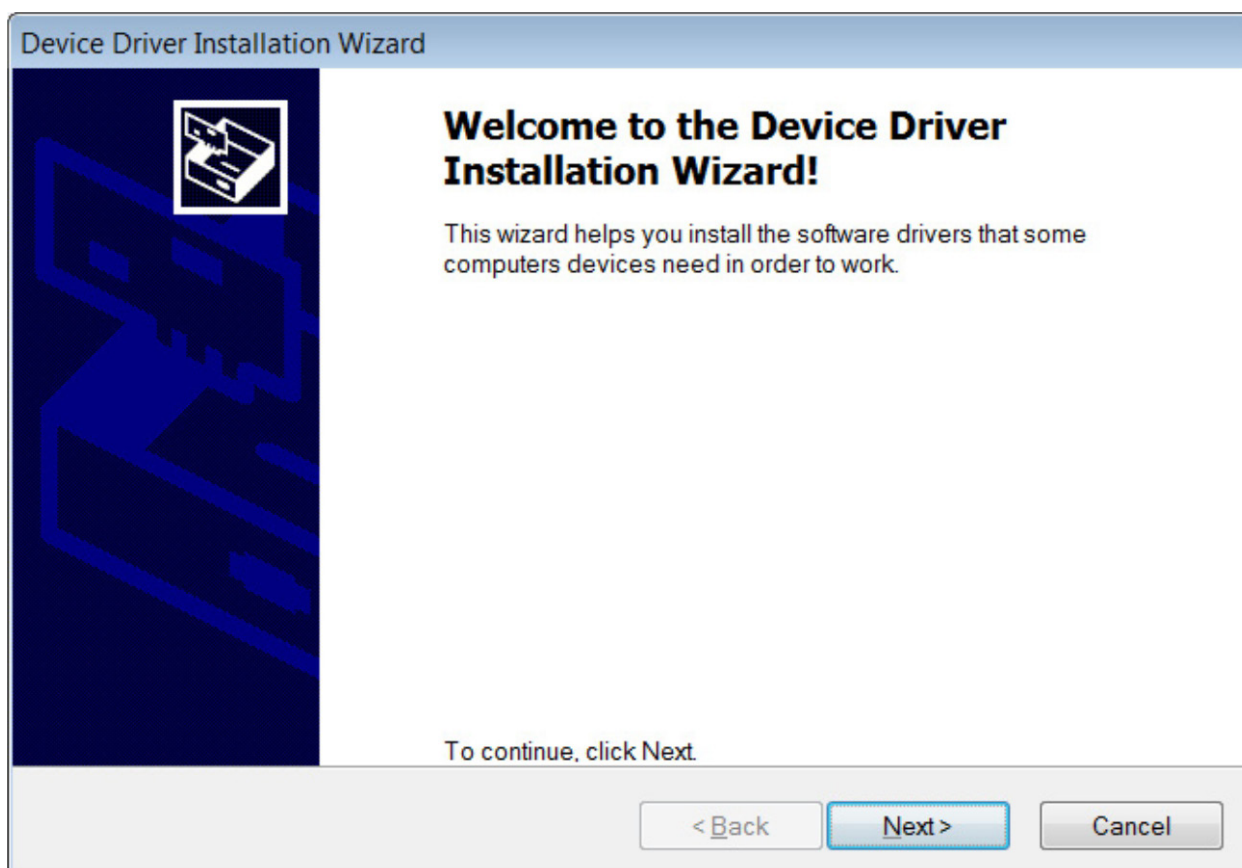
5. L'installazione inizia come segue. Fare clic sulla scheda "Estrai" (Extract).



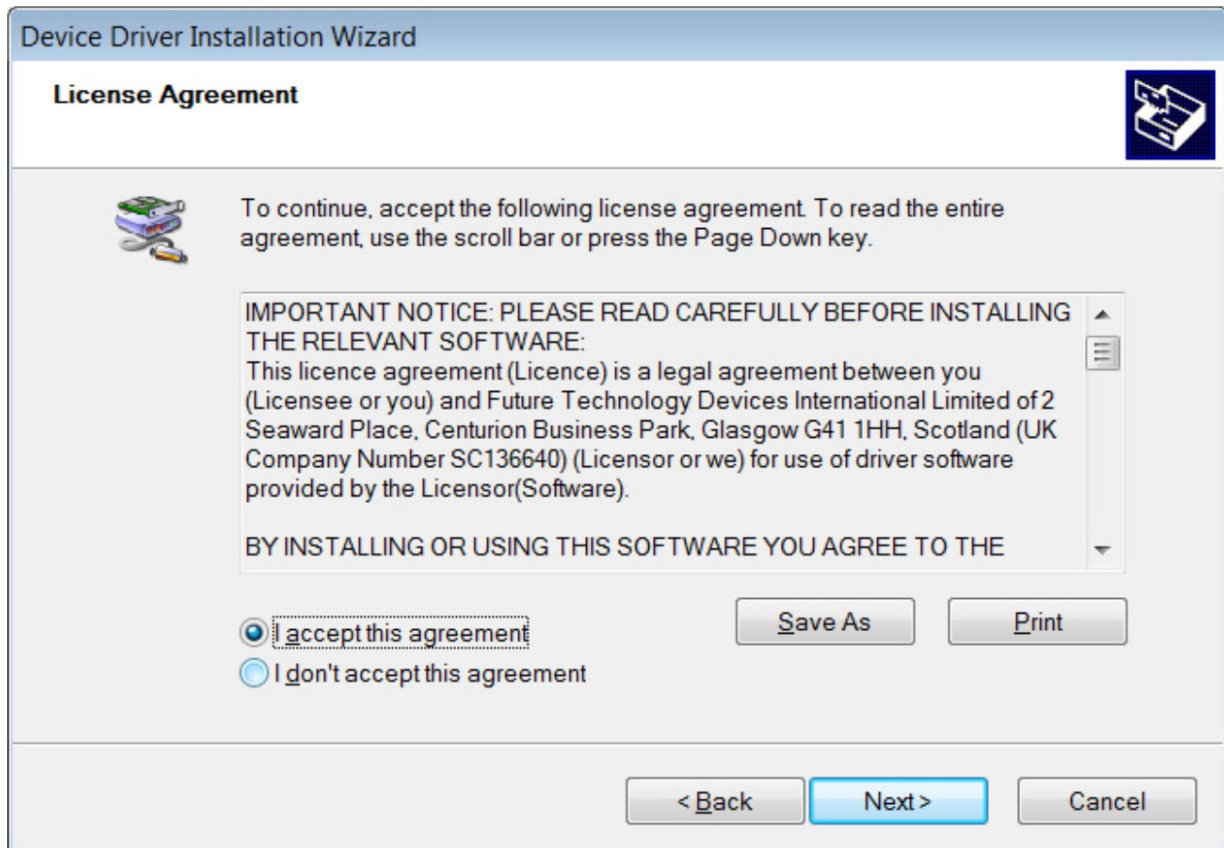
6. L'installazione del driver è in corso



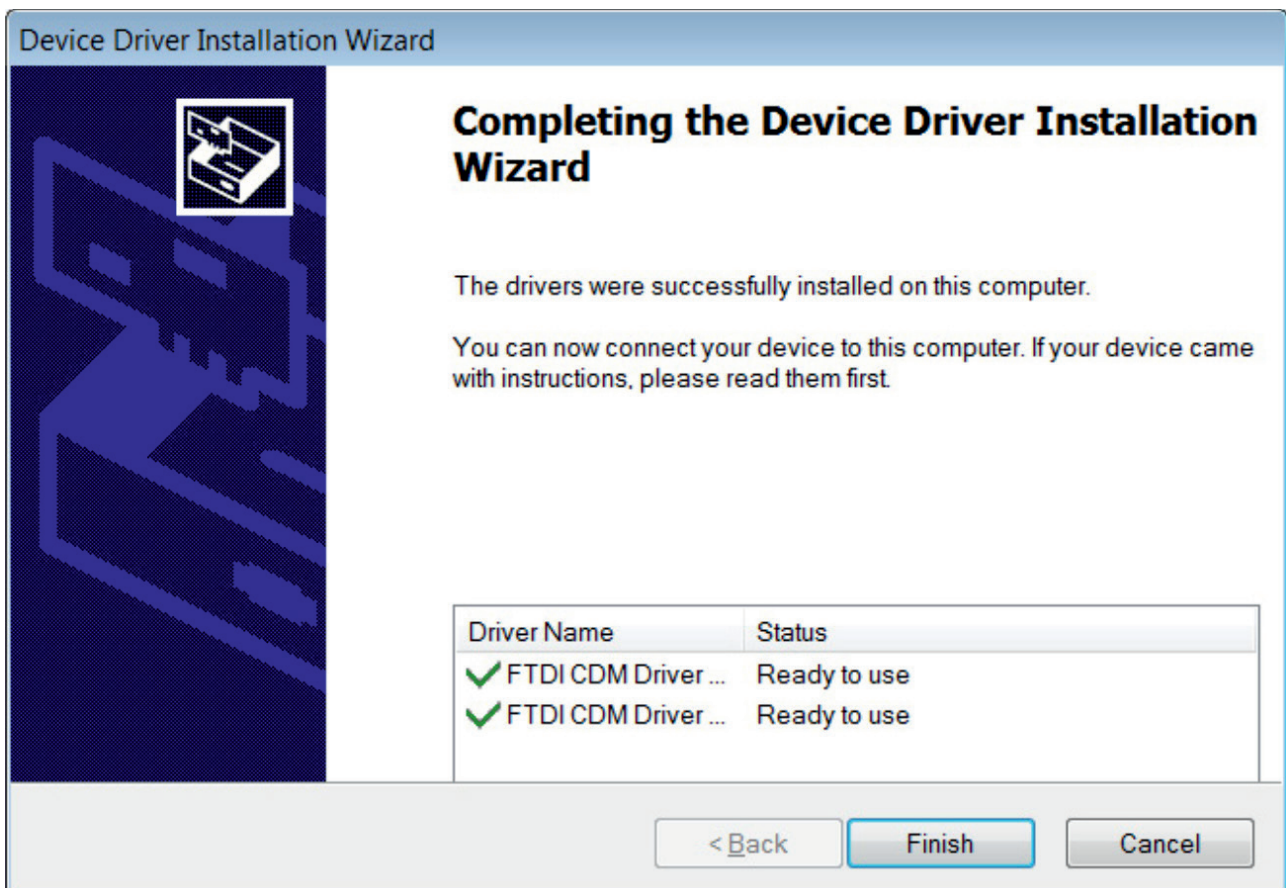
7. Fare clic sulla scheda "Avanti" (Next).



8. Fare clic su **accept this agreement** e poi sulla scheda "Avanti" (Next)

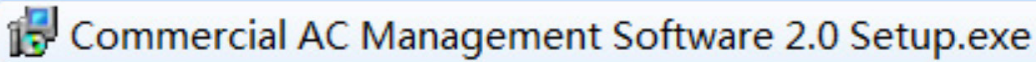


9. Fare clic sulla scheda "Fine" (Finish) dopo aver installato il driver.

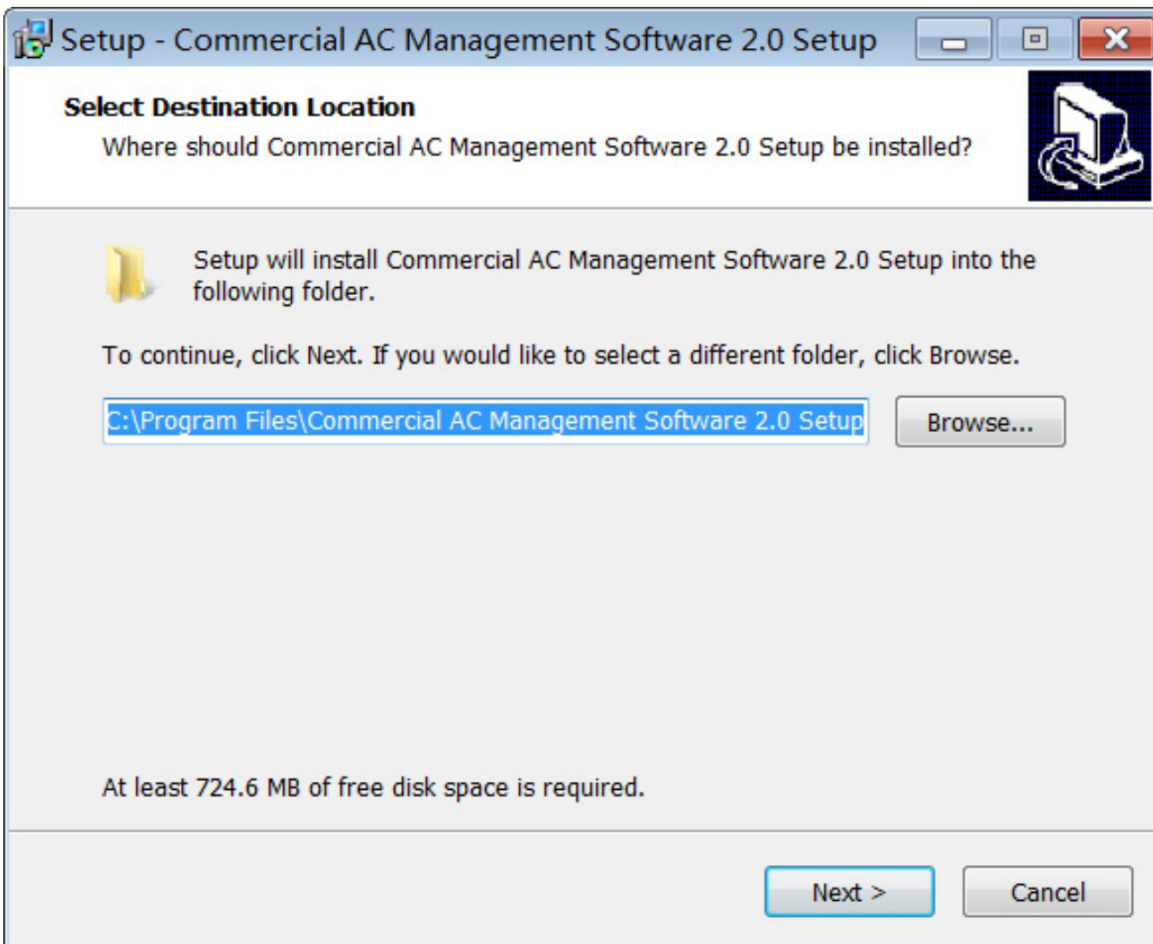


Installazione e avvio del software di gestione

1. Installazione del software di gestione

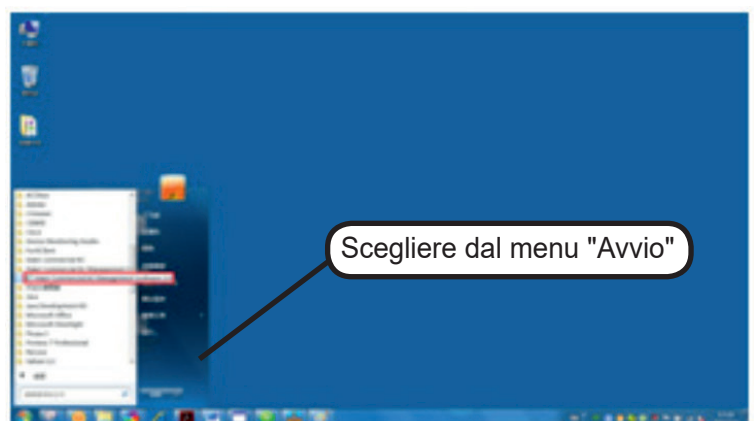


Fare doppio clic per avviare l'installazione, poi premere la scheda "Avanti" (Next) per completare l'installazione.

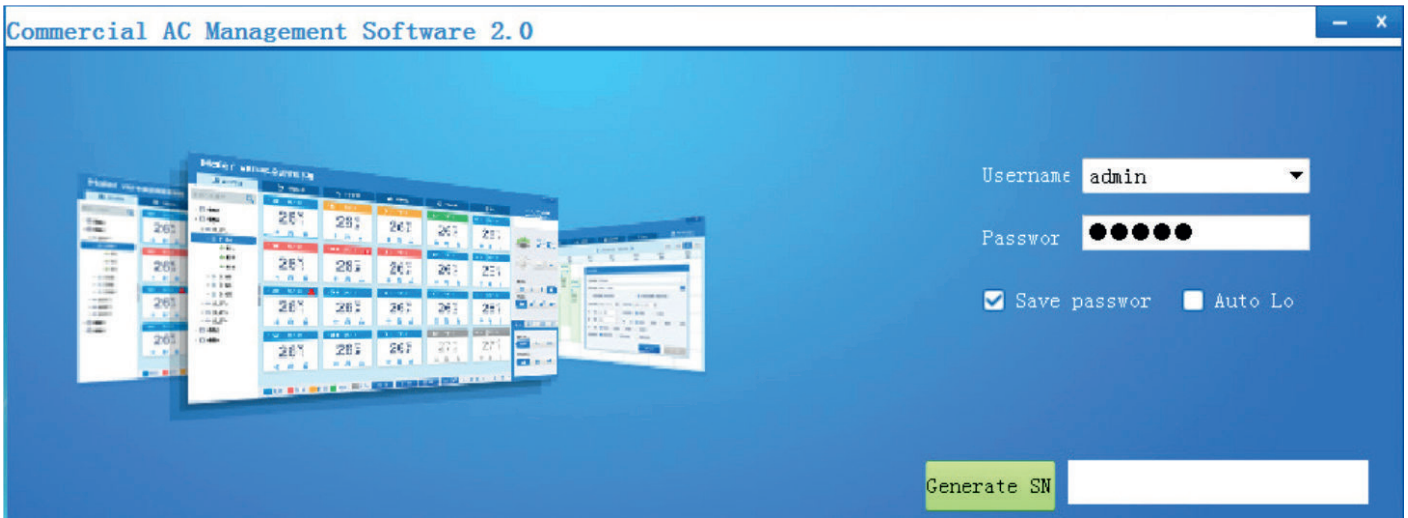


2. Avvio

Fare doppio clic sull'icona "Commercial AC Management Software 2.0" sul desktop, oppure scegliere "Commercial AC Management Software 2.0" dal menu di "Avvio".



La registrazione è necessaria per l'esecuzione della prima volta.



Fare clic su "Genera SN", per generare il codice SN e poi inviarlo al tecnico per avere il file "license.dat". Dopo aver ottenuto il file "license.dat", copiarlo nella directory d'installazione per sostituire il file "license.dat" precedente. Chiudere il programma software e poi riavviare affinché il programma software funzioni correttamente.

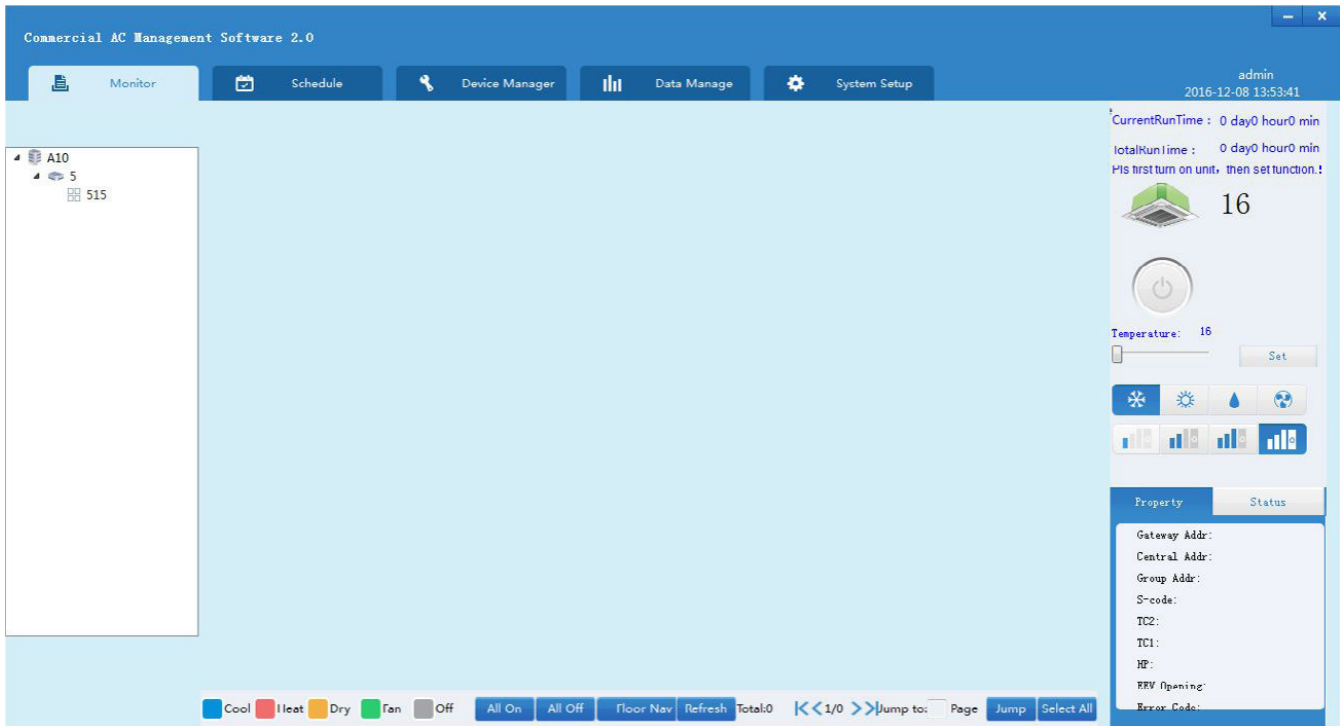
Inserire il nome utente e la password nella finestra di accesso del prompt.

Nome utente: amministratore (predefinito)

Password: 12345 (predefinito)



Dopo aver inserito il nome utente e la password, fare clic su "login" per entrare nell'interfaccia principale, come mostrato nella figura seguente.



3. Arresto del programma software

Quando si spegne il computer, eseguire due passaggi:

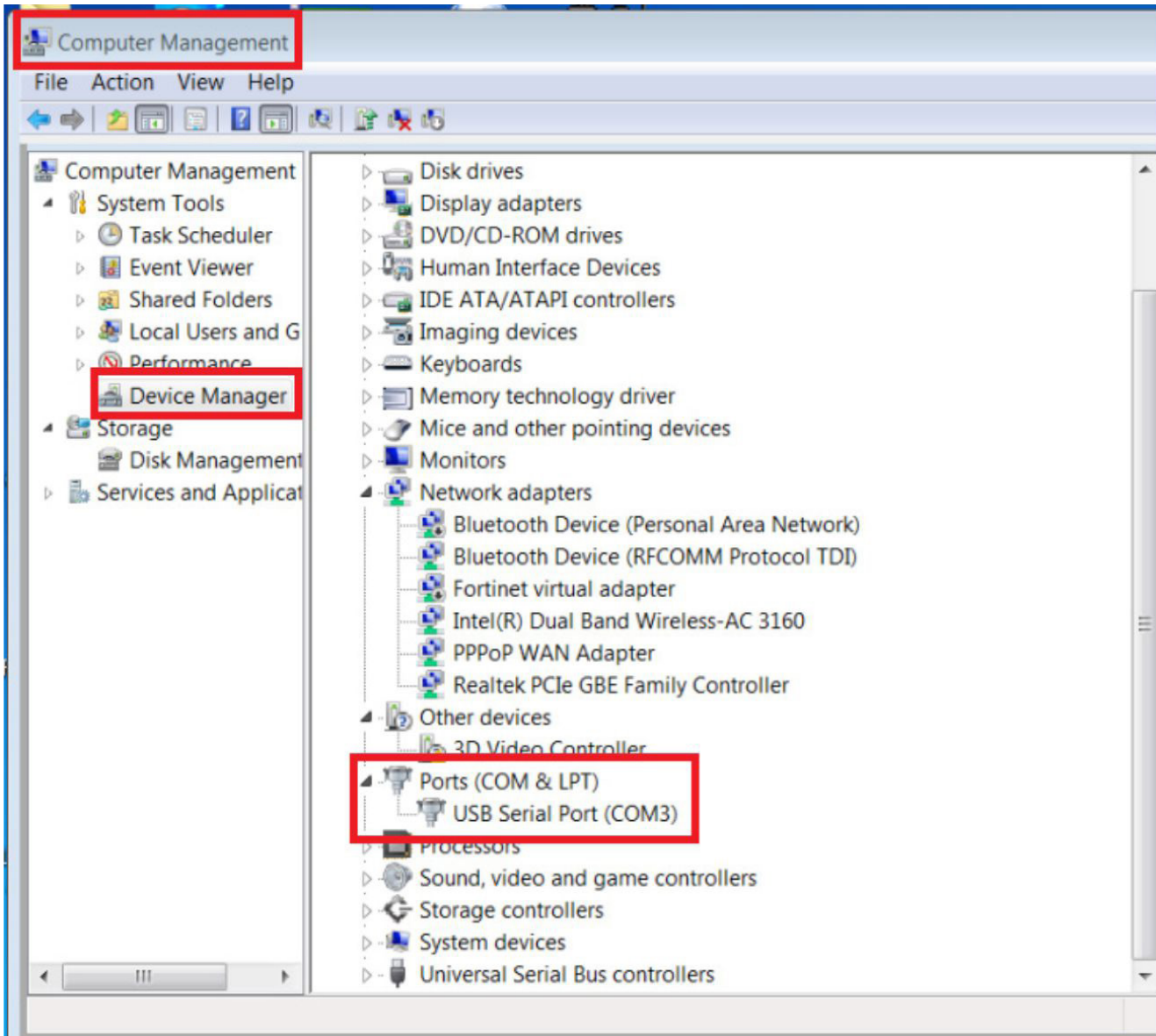
- ① uscire da "Commercial AC Management Software 2.0" e poi
- ② da Windows

Prima di uscire da "Commercial AC Management Software 2.0", fare clic sulla "X" nell'angolo superiore destro della pagina dell'interfaccia principale e poi uscire da Windows.



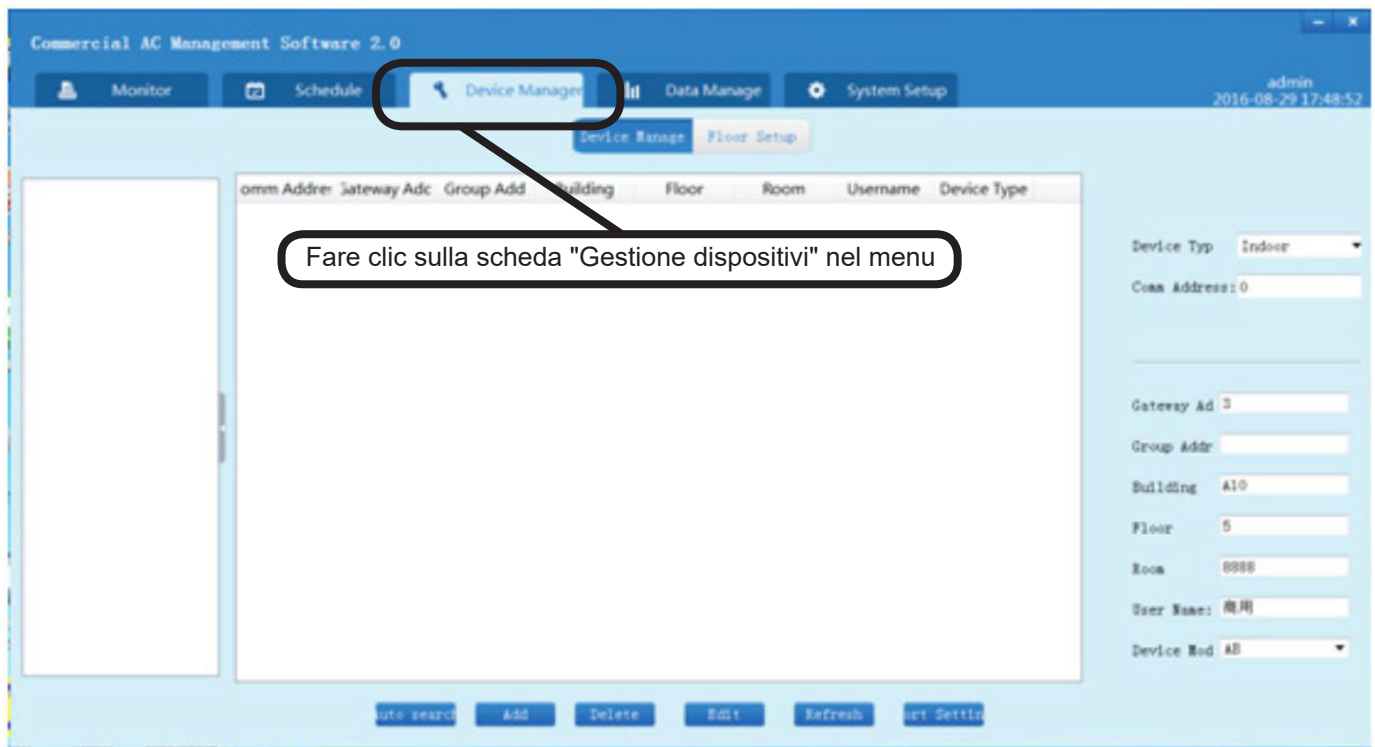
Impostazione della porta di comunicazione

1. Impostare il numero della porta in base alla porta collegata verificata. Verificare l'attuale numero di porta da “Gestione computer (Computer Management)” and “Gestionedispositivi (Device Manager)”.

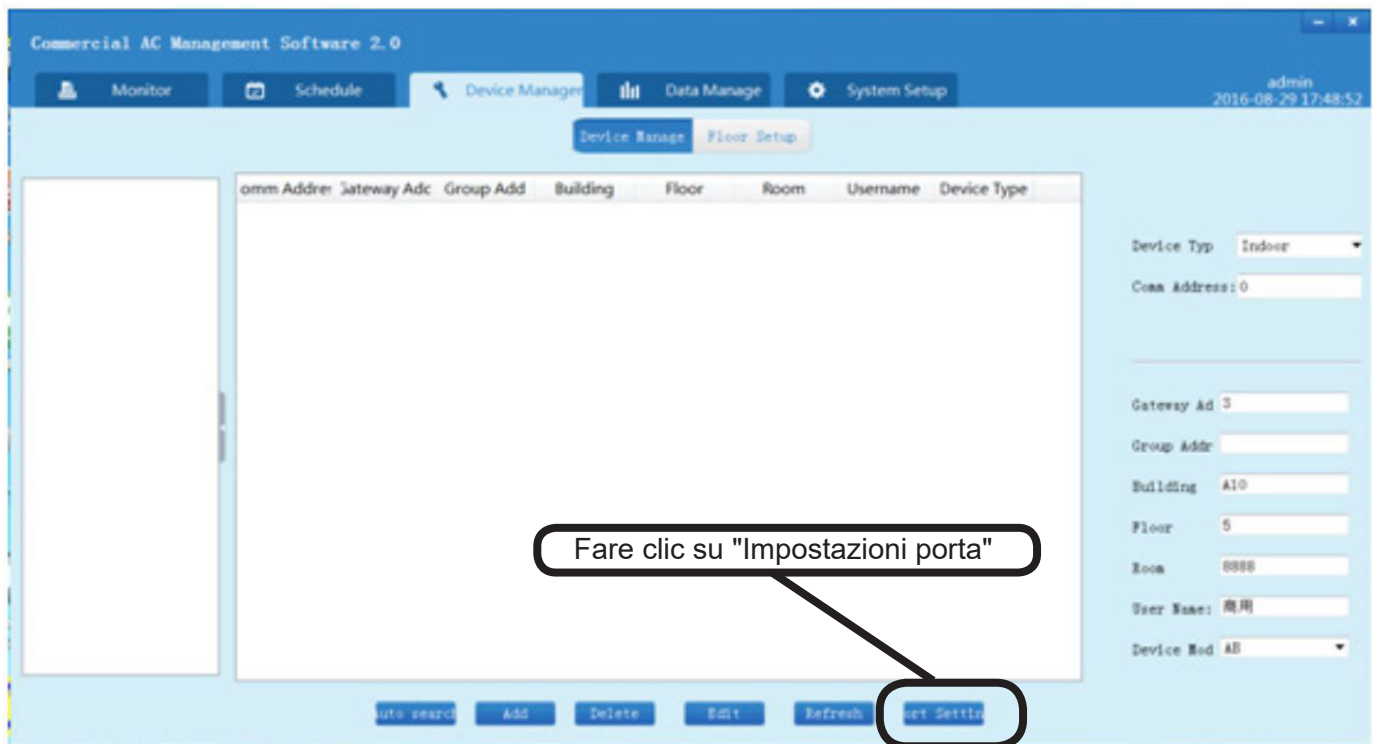


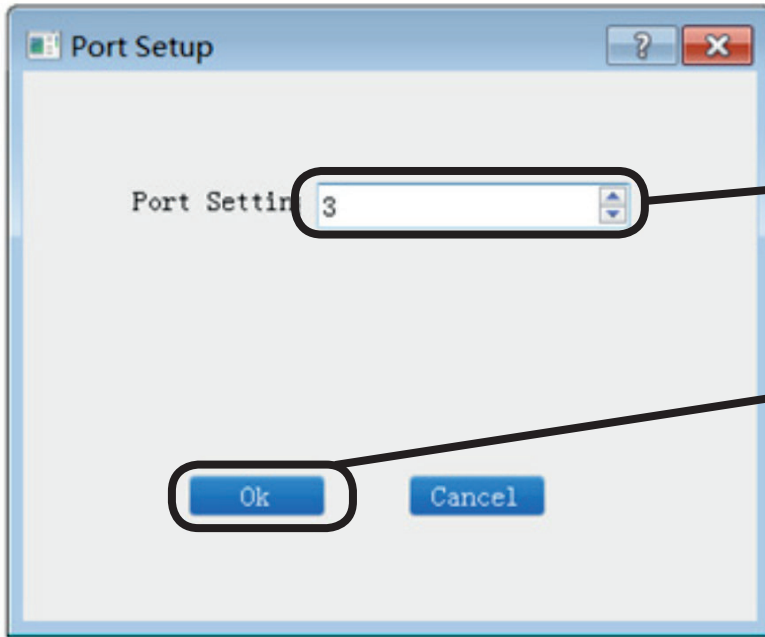
Come mostrato nell'immagine sopra, la porta collegata è COM3, quindi il numero della porta corrispondente sarà 3.

2. Fare clic sulla scheda "Gestione dispositivi" nel menu



3. Fare clic sulla scheda "Impostazioni porta" in basso a destra.

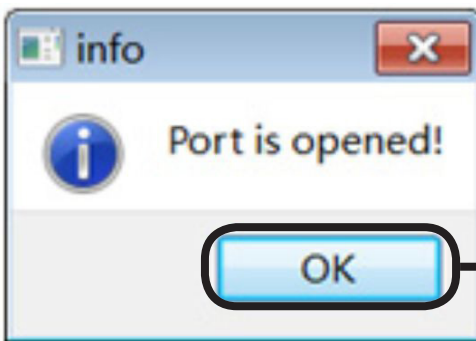




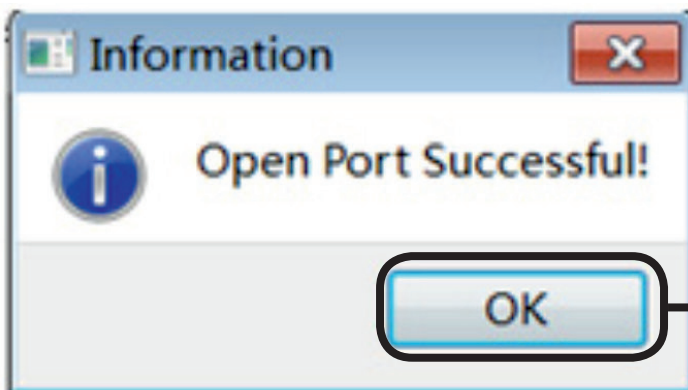
Inserire il numero di porta del computer. Se si tratta di COM3, inserire come numero di porta 3

Premere "OK" per terminare l'impostazione e "Annulla" per uscire dall'impostazione

4. Immettere il numero di porta nella finestra di dialogo. Ad esempio, se si tratta di COM3, inserire il num. "3". Fare clic su "OK" e verrà visualizzata una nuova finestra di dialogo che indica che la porta seriale è aperta. Fare clic su "OK" e dopo 3 secondi, verrà visualizzata un'altra finestra di dialogo che mostra che la porta seriale è stata aperta correttamente. Fare clic "OK" per terminare l'impostazione.

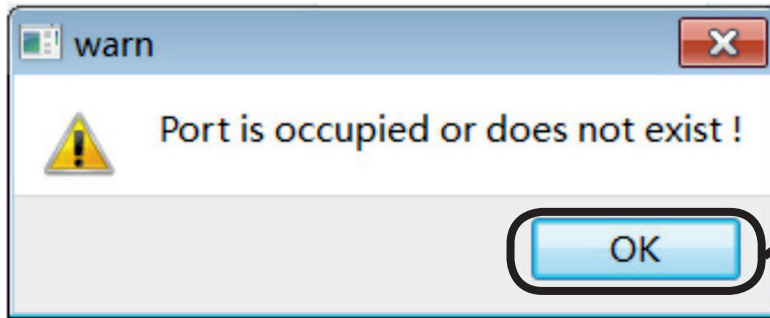


Fare clic su "OK". Dopo che la finestra è scomparsa, attendere.



Fare clic su "OK". Quando la finestra scompare, continuare con le operazioni.

5. Se l'impostazione della porta è errata, verrà visualizzato un avviso: "La porta è occupata o non esiste". Quindi impostarla di nuovo.



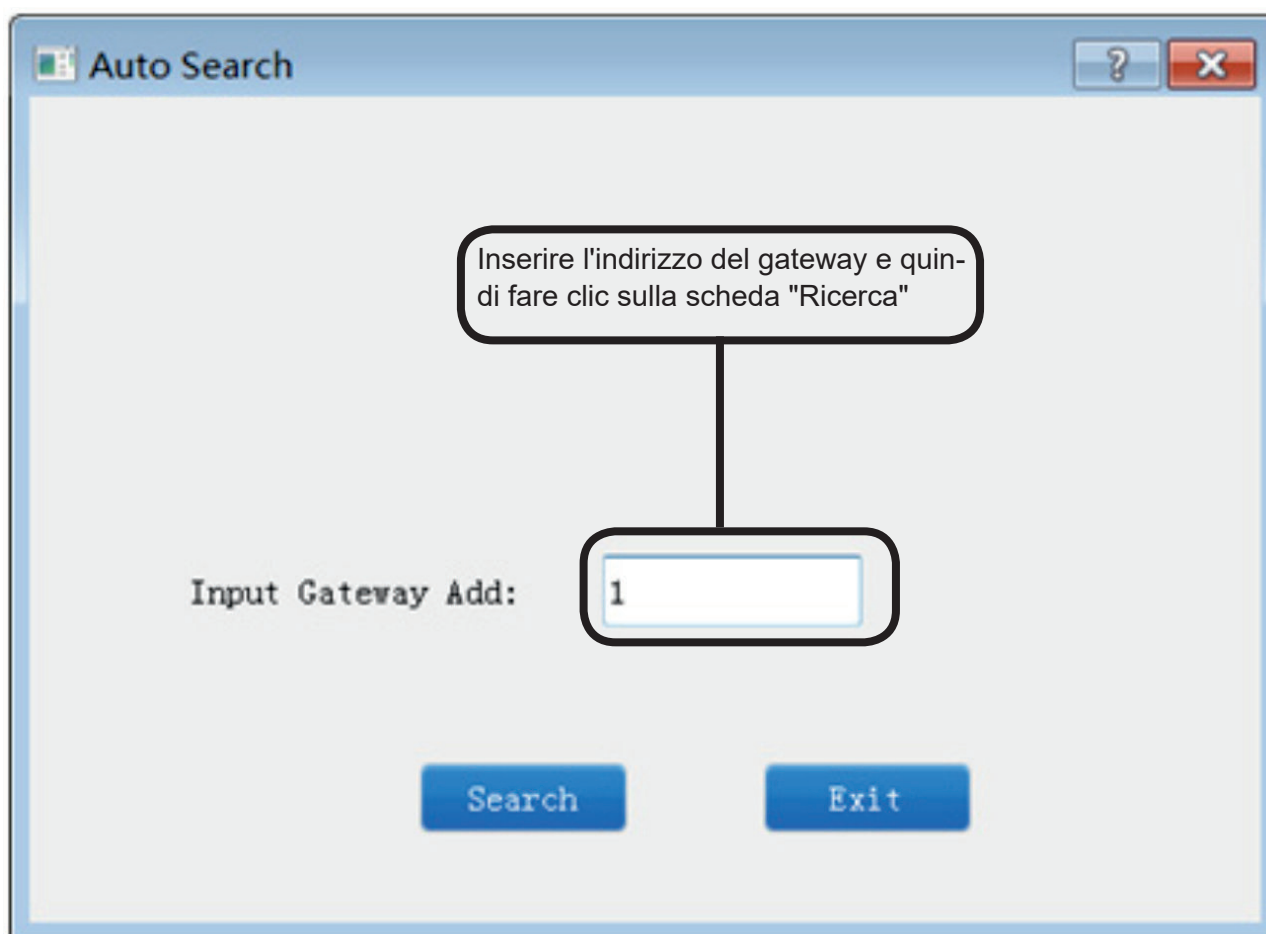
Fare clic su "OK" per ripristinare la porta. In primo luogo, controllare se il numero della porta è giusto. Riavviare il computer quando si utilizza lo strumento della porta seriale per la prima volta.

Aggiunta/eliminazione del dispositivo

1. Aggiunta di un dispositivo tramite ricerca automatica

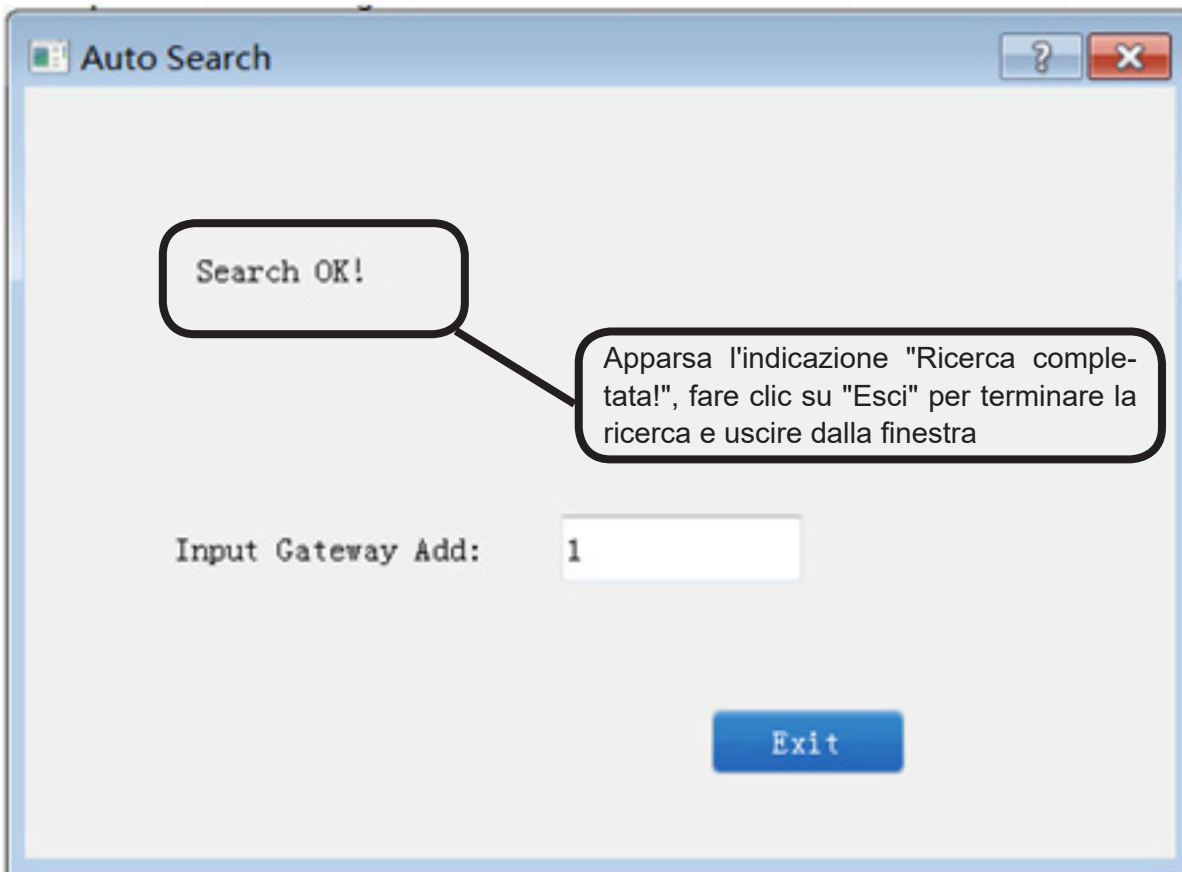
(a) Fare clic sulla scheda "Ricerca automatica".



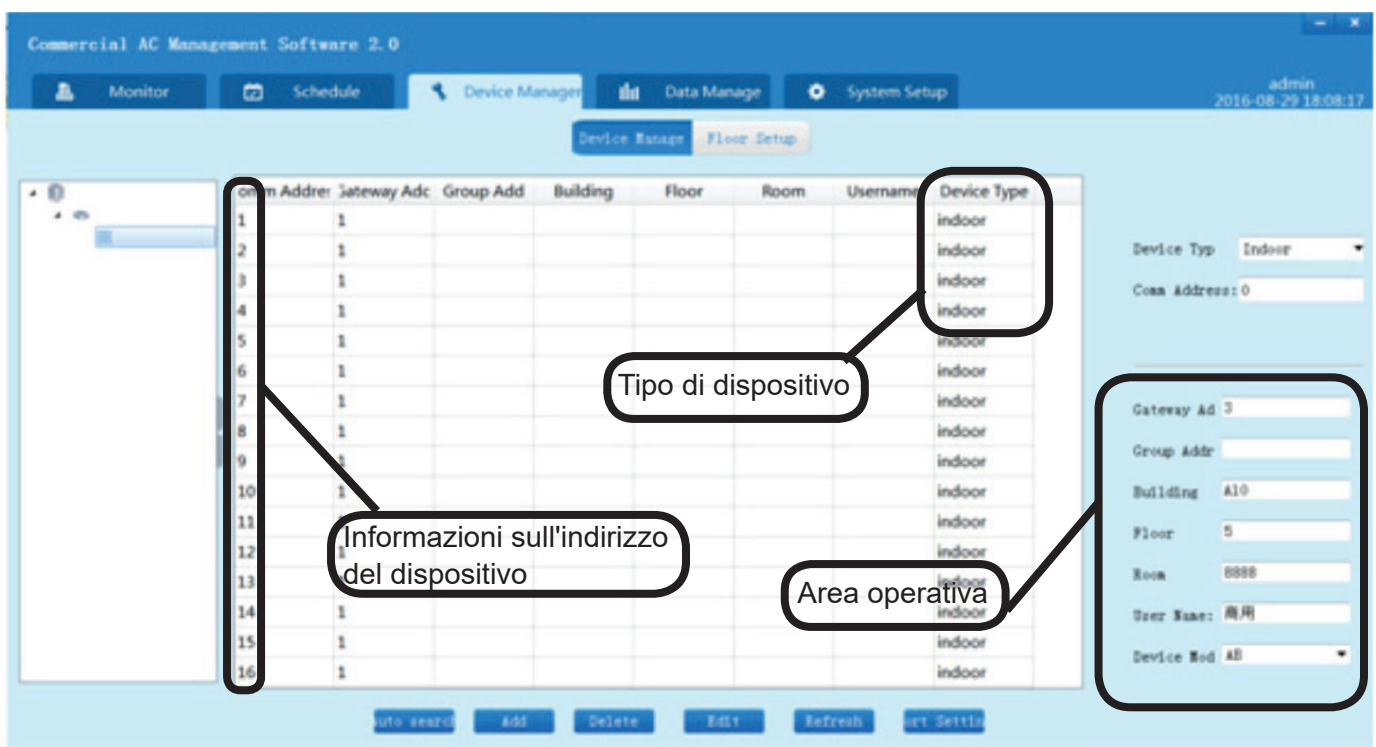


(b) Convertitore di ingresso: inserire l'indirizzo del gateway (da 0 a 31) nella finestra di dialogo che si apre e quindi fare clic su "Ricerca (Search)".

Dopo aver terminato la ricerca, apparirà l'indicazione "Ricerca completata! (Search OK!)". Fare clic su "Esci" per chiudere la finestra di dialogo.



(c) Le informazioni interne ricercate mostrate nell'elenco di gestione del dispositivo sono: Indirizzo di comunicazione, indirizzo gateway e tipo di dispositivo. Le altre informazioni devono essere aggiunte dall'elenco a destra della pagina.



(d) Aggiunta di informazioni relative all'unità interna.

Fare clic sull'unità interna per la quale bisogna aggiungere informazioni dall'elenco dei dispositivi.

The screenshot shows the 'Device Manager' section of the software. A table lists devices with columns for 'Comm Address', 'Gateway Ad', 'Group Addr', 'Building', 'Floor', 'Room', 'Username', and 'Device Type'. A callout box points to the 'Device Type' dropdown in the configuration form on the right, which is set to 'Indoor'. Another callout points to the 'Edit' button at the bottom of the table. A third callout points to the 'Comm Address' field in the form.

Comm Address	Gateway Ad	Group Addr	Building	Floor	Room	Username	Device Type
1	1						indoor
2	1						indoor
3	1						indoor
4	1						indoor
5	1						indoor
6	1						indoor
7	1						indoor
8	1						indoor
9	1						indoor
10	1						indoor
11	1						indoor
12	1						indoor
13	1						indoor
14	1						indoor
15	1						indoor
16	1						indoor

① Seleziona interno

② aggiungere informazioni

③ Fare clic su "Modifica" per modificare le informazioni relative all'unità interna

Device Typ: Indoor

Comm Address: 1

Gateway Ad: 1

Group Addr: 0

Building: A10

Floor: 5

Room: 511

User Name: TEST

Device Mod: AE

Durante l'aggiunta manuale di un nuovo dispositivo, inserire il modello/indirizzo interno/gateway da parte dell'utente stesso. Durante la modifica delle informazioni del dispositivo esistente, l'indirizzo relativo all'unità interna e l'indirizzo del gateway non possono essere modificati.

Se viene visualizzato vuoto o 0, ciò indica che si tratta di un'unità interna principale nel controllo del gruppo cablato, mentre 1-15 sono indirizzi di unità slave. Non è possibile controllare le unità slave interne.

Posizione CA definita dall'utente

Nome CA definito dall'utente

Modello interno (condotto, parete, cassetta, convertibile)

Aggiunta di informazioni relative all'unità interna:

Indirizzo di gruppo: quando si utilizza il controller cablato per controllare più di un'unità interna, l'indirizzo master è 0 e gli indirizzi slave sono compresi tra 1 e 15.

Edificio: l'edificio per l'installazione dell'unità interna.

Piano: il piano specifico per l'installazione dell'unità interna.

Stanza: la stanza in cui è installata l'unità interna.

Nome utente: l'utente dell'interno.

Modello: modello interno: AB: Cassetta; AC: Convertibile; AD: condotto; AS: Parete

(e) Fare clic su "Modifica (Edit)" per modificare le informazioni dell'unità interna. Ciò aggiornerà le informazioni dell'interno nell'elenco delle unità interne. Le informazioni sull'edificio, sul piano e sulla stanza pertinenti verranno visualizzate sul lato sinistro dello schermo.



Commercial AC Management Software 2.0

Monitor Schedule Device Manager Data Manage System Setup

admin 2016-11-18 13:26:18

Device Manage Floor Setup

Conn Address	Gateway Adc	Group Add	Building	Floor	Room	Username	Device Type
0	1						indoor
2	1						indoor
3	1						indoor
4	1						indoor
5	1						indoor
6	1						indoor
7	1						indoor
14	1						indoor
15	1						indoor
16	1						indoor

L'edificio, il piano e la stanza appena aggiunti verranno visualizzati nell'elenco a sinistra

L'unità interna modificata scomparirà dall'elenco corrente

Device Type: Indoor

Conn Address: 8

Gateway Ad: 1

Group Addr:

Building:

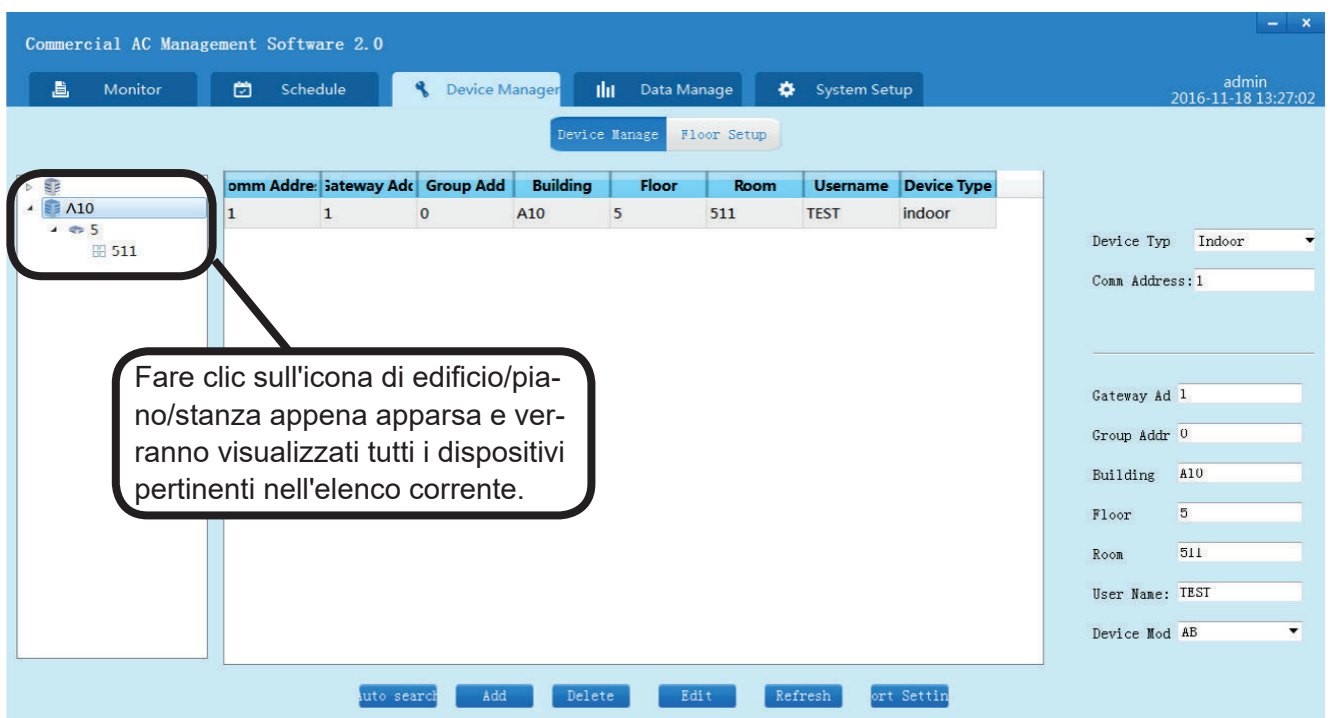
Floor:

Room:

User Name:

Device Mod: AB

Auto search Add Delete Edit Refresh Sort Setting



Commercial AC Management Software 2.0

Monitor Schedule Device Manager Data Manage System Setup

admin 2016-11-18 13:27:02

Device Manage Floor Setup

Conn Address	Gateway Adc	Group Add	Building	Floor	Room	Username	Device Type
1	1	0	A10	5	511	TEST	indoor

Fare clic sull'icona di edificio/piano/stanza appena apparsa e verranno visualizzati tutti i dispositivi pertinenti nell'elenco corrente.

Device Type: Indoor

Conn Address: 1

Gateway Ad: 1

Group Addr: 0

Building: A10

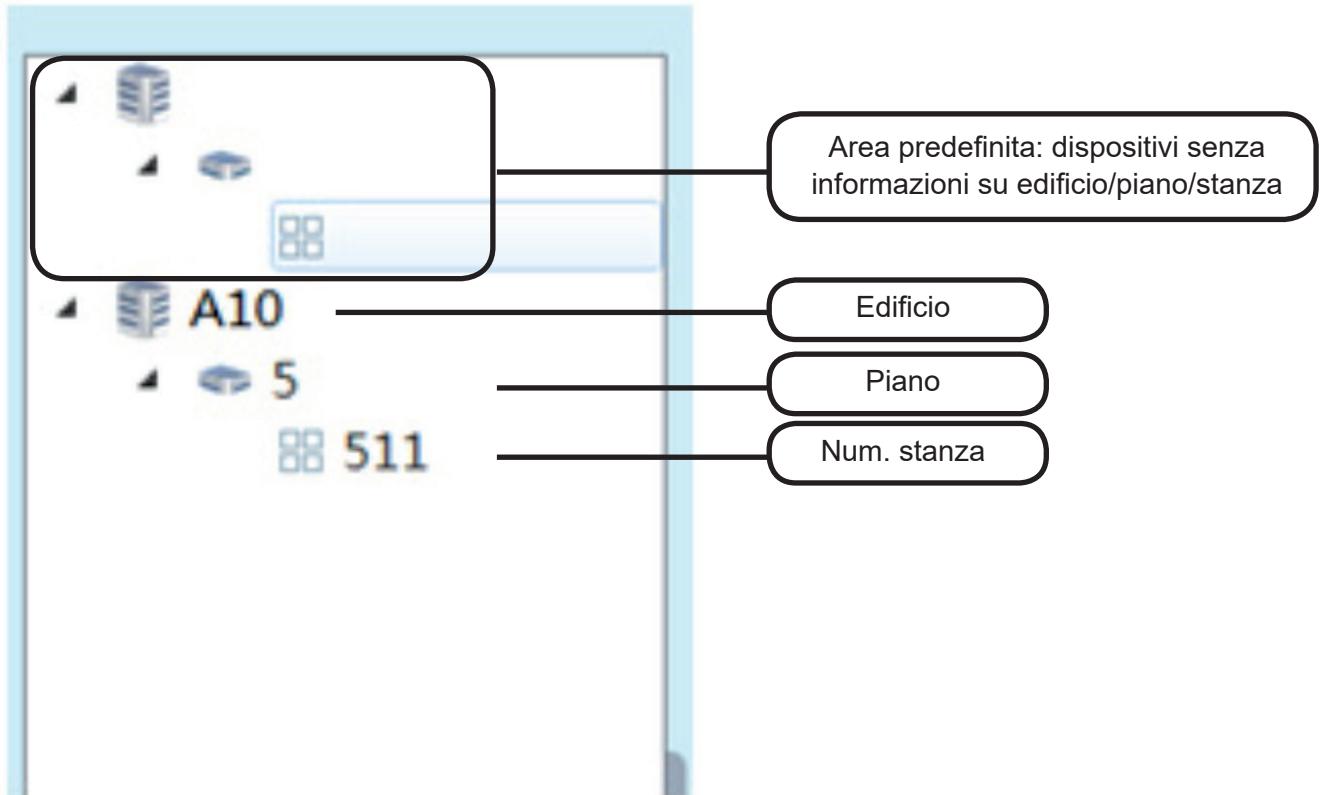
Floor: 5

Room: 511

User Name: TEST

Device Mod: AB

Auto search Add Delete Edit Refresh Sort Setting



2. Aggiunta manuale

Commercial AC Management Software 2.0

Monitor Schedule Device Manager Data Manage System Setup

admin 2016-11-18 13:27:38

Device Manage Floor Setup

Comm Addr	Gateway Addr	Group Addr	Building	Floor	Room	Username	Device Type
1	1	0	A10	5	511	TEST	indoor

① Immettere il nuovo dispositivo nell'elenco a destra, non devono essere presenti indirizzi di unità interne o gateway ripetuti

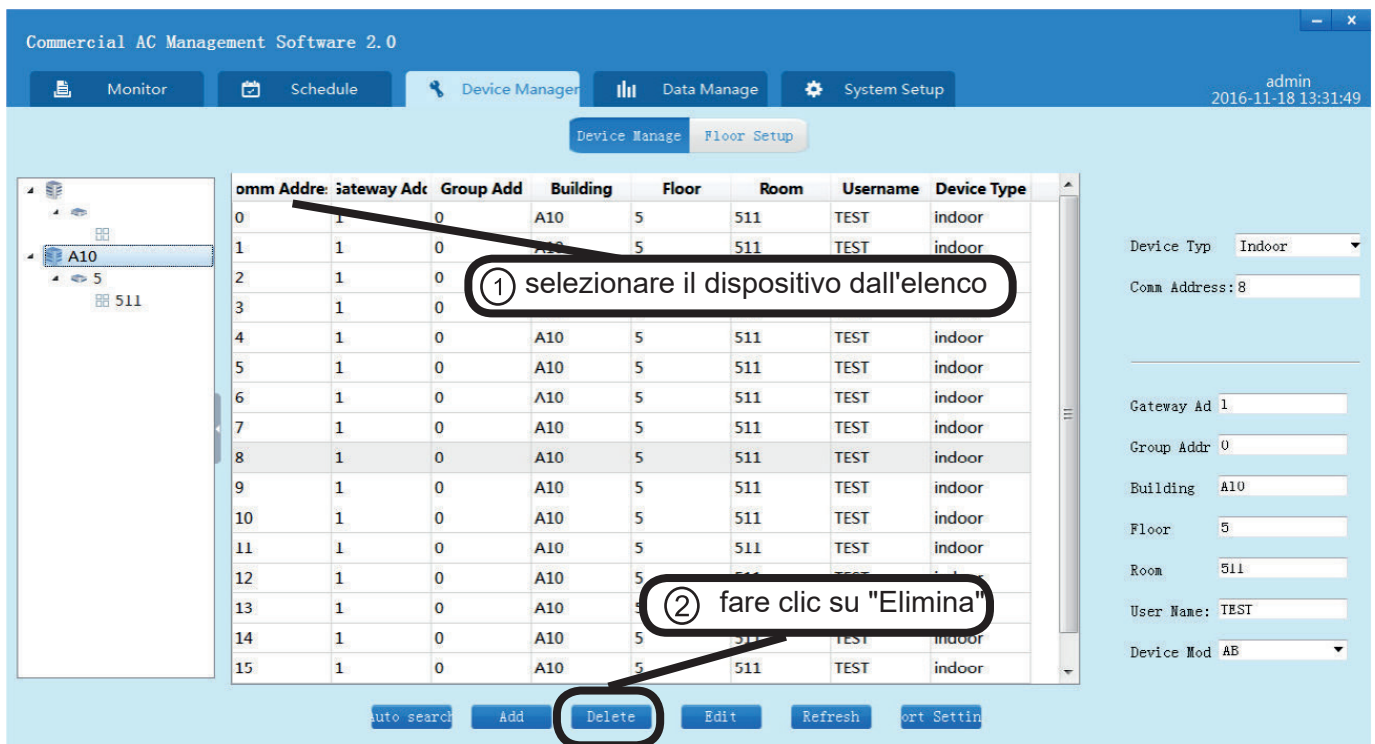
② Dopo aver inserito le informazioni, fare clic su "Aggiungi" (Add)

Device Typ Indoor
Conn Address: 1
Gateway Ad 1
Group Addr 0
Building A10
Floor 5
Room 511
User Name: TEST
Device Mod AB

Auto search Add Delete Edit Refresh Port Setting

- Aggiungere le informazioni sulle unità interne nell'elenco a destra e assicurarsi di non inserire indirizzi delle unità interne o gateway ripetuti.
- Fare clic su "Aggiungi" (Add) per terminare l'aggiunta.
- Dopo l'aggiunta, nell'elenco verranno visualizzate le informazioni sull'interno appena aggiunte. Riavviare il software per confermare l'impostazione

3. Eliminazione del dispositivo



Commercial AC Management Software 2.0

Monitor Schedule Device Manager Data Manage System Setup

admin 2016-11-18 13:31:49

Device Manage Floor Setup

Com Address	Gateway Addr	Group Addr	Building	Floor	Room	Username	Device Type
0	1	0	A10	5	511	TEST	indoor
1	1	0	A10	5	511	TEST	indoor
2	1	0	A10	5	511	TEST	indoor
3	1	0	A10	5	511	TEST	indoor
4	1	0	A10	5	511	TEST	indoor
5	1	0	A10	5	511	TEST	indoor
6	1	0	A10	5	511	TEST	indoor
7	1	0	A10	5	511	TEST	indoor
8	1	0	A10	5	511	TEST	indoor
9	1	0	A10	5	511	TEST	indoor
10	1	0	A10	5	511	TEST	indoor
11	1	0	A10	5	511	TEST	indoor
12	1	0	A10	5	511	TEST	indoor
13	1	0	A10	5	511	TEST	indoor
14	1	0	A10	5	511	TEST	indoor
15	1	0	A10	5	511	TEST	indoor

Device Type: Indoor
Comm Address: 8

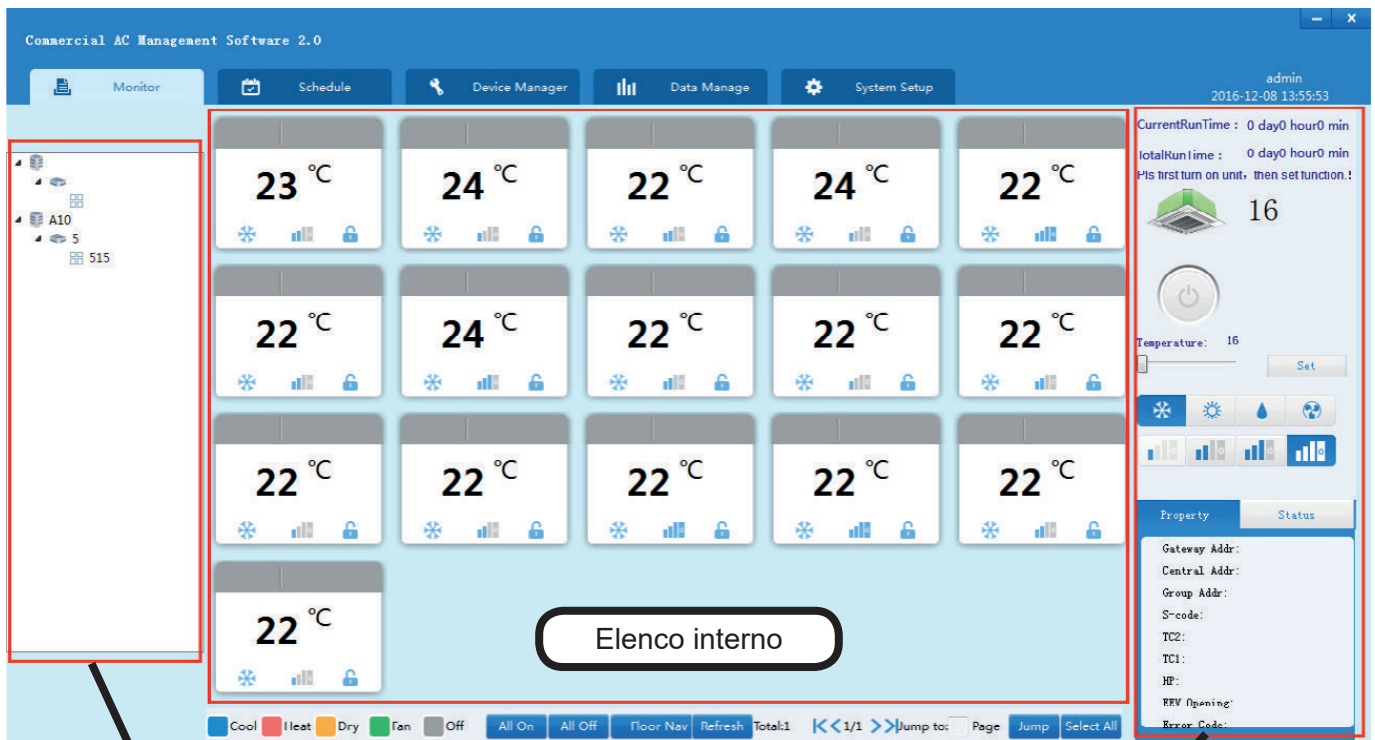
Gateway Ad 1
Group Addr 0
Building A10
Floor 5
Room 511
User Name: TEST
Device Mod AB

Auto search Add Delete Edit Refresh Port Setting

- Selezionare dall'elenco il dispositivo da eliminare.
- Fare clic su "Elimina" per terminare l'eliminazione.

Monitoraggio del dispositivo

Dopo aver aggiunto il dispositivo, fare clic su "Monitora" per monitorare l'interno.



Commercial AC Management Software 2.0

Monitor Schedule Device Manager Data Manage System Setup

admin 2016-12-08 13:55:53

CurrentRunTime : 0 day0 hour0 min
TotalRunTime : 0 day0 hour0 min
Please first turn on unit, then set function!

16

Temperature: 16

Property Status

Gateway Addr:
Central Addr:
Group Addr:
S-code:
TC2:
TC1:
HP:
REV Opening:
Error Code:

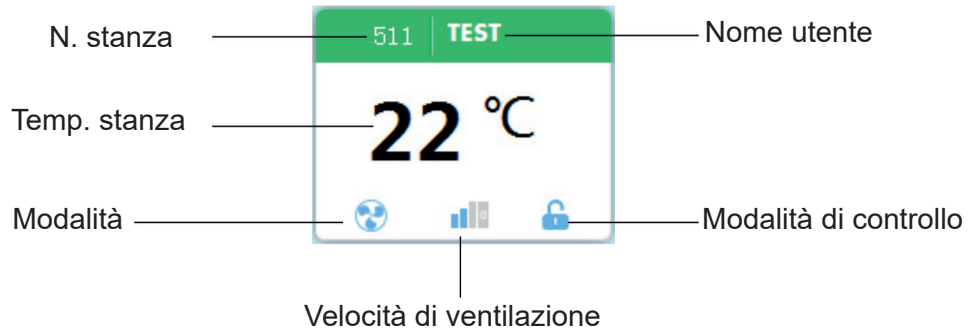
Elenco interno

Elenco dei piani e delle stanze

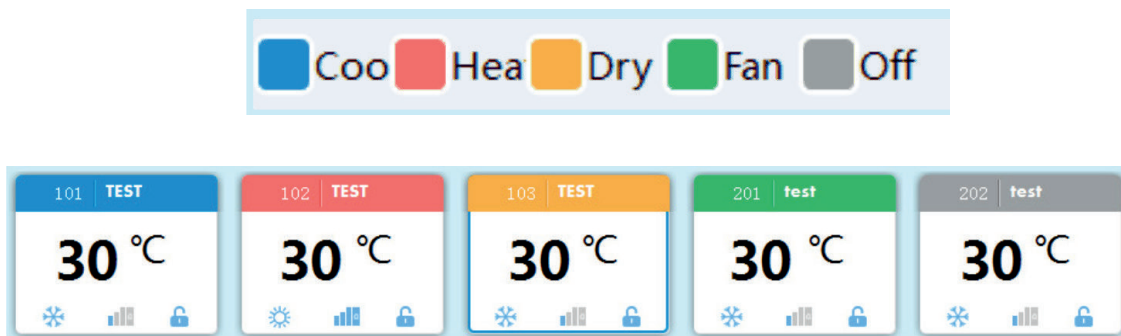
Parametro operativo interno

1. Condizioni di lavoro delle unità interne

Ogni icona mostra le condizioni attuali delle unità interne, come mostrato nella figura seguente:



(a) Colori diversi mostrano modalità diverse



Le condizioni e le modalità di cui sopra sono: raffreddamento, riscaldamento, deumidificazione, ventola, spento.

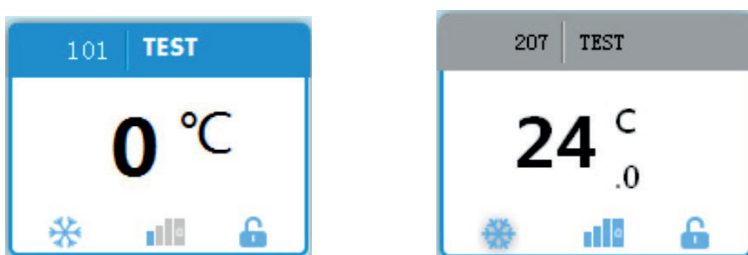
(b) Fare clic sulla finestra interna per selezionare "interno".

Dopo la selezione, il bordo della finestra verrà mostrato da una linea continua.

Unità interna non selezionata (in modalità ON - Acceso), Unità interna non selezionata (in modalità OFF - Spento).

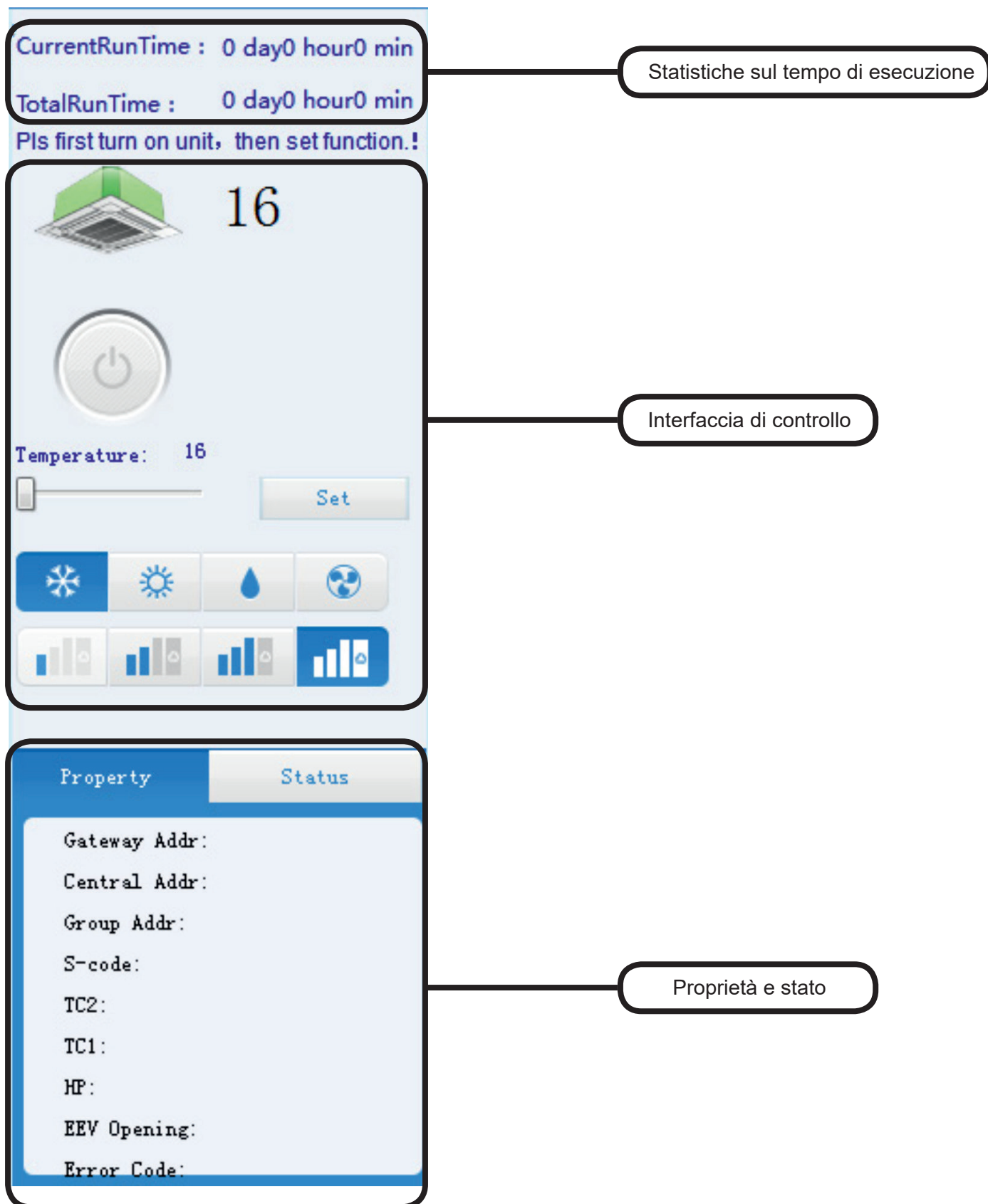


Unità interna selezionata (in modalità ON - Acceso), Unità interna selezionata (in modalità OFF - Spento)



2. Condizioni di lavoro interno

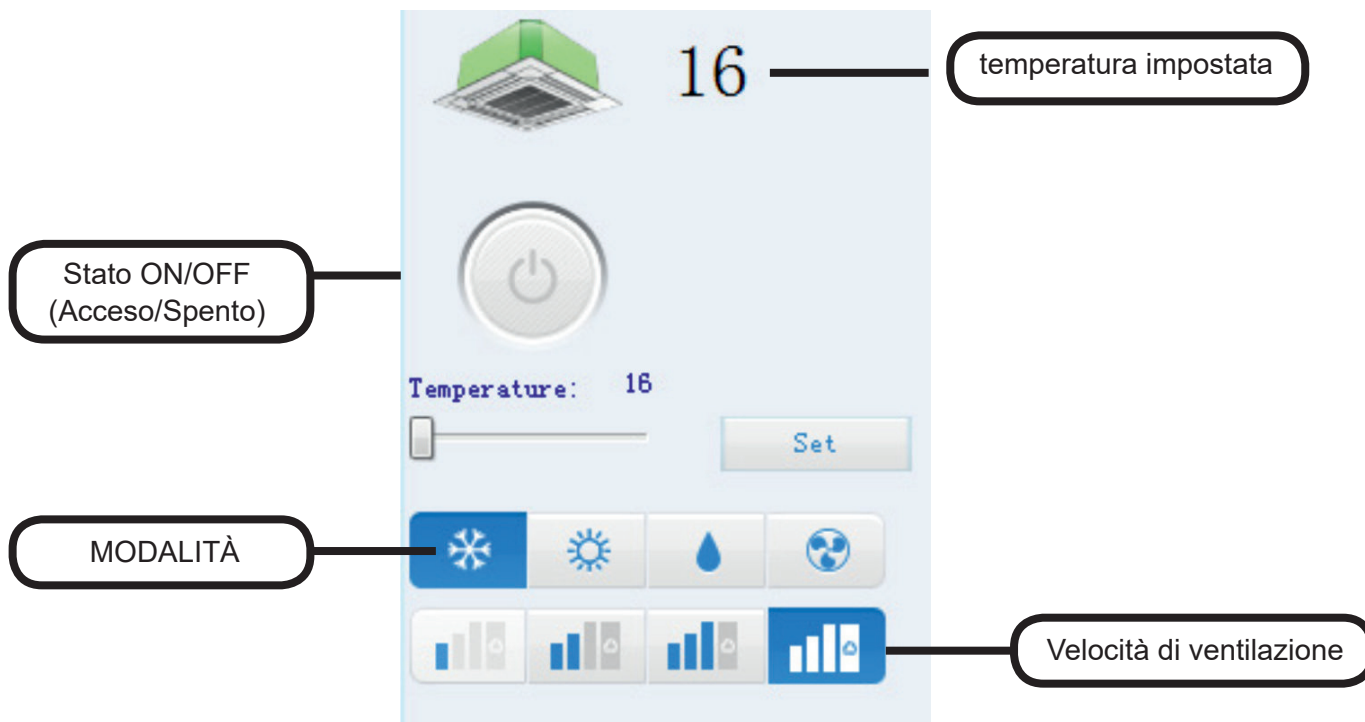
Accendere l'unità, quindi impostare la funzione



3. Controllo dell'unità interna

(a) Controllo unità singola

Dopo aver selezionato un'unità interna, è possibile visualizzare tutte le informazioni di impostazione "dell'unità interna" sulla destra e da qui azionare il controllo dell'unità interna.

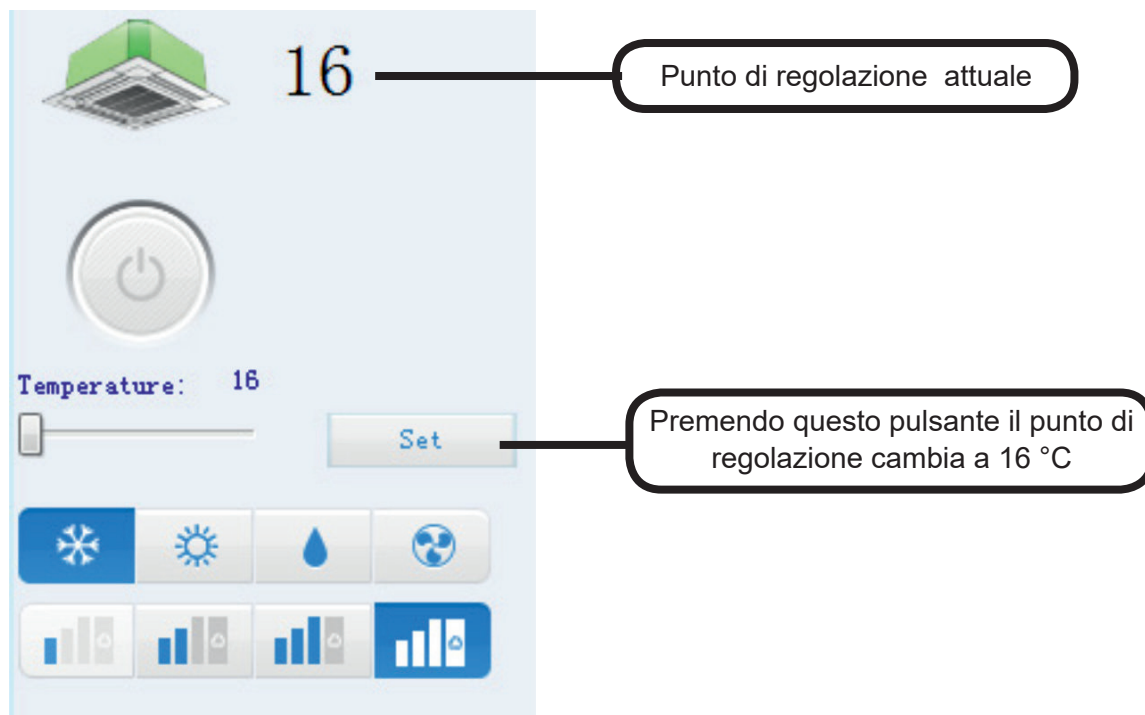


Spiegazione dettagliata di ogni pulsante.

Pulsante	Spiegazione
	ON (Acceso)
	OFF (Spento)
	COOL (Raffreddamento)
	HEAT (Riscaldamento)
	DRY (Deumidificazione)
	FAN (Ventilazione)

Pulsante	Spiegazione
	BASSO
	MEDIO
	ALTO
	AUTO (automatico)
	IMPOSTA TEMPERATURA

Se lo stato dell'unità interna indicata di seguito è ON (Acceso), la temp. impostata è 24 °C, freddo, bassa velocità. Premere il pulsante "Set" per modificare il punto di regolazione a 16 °C.

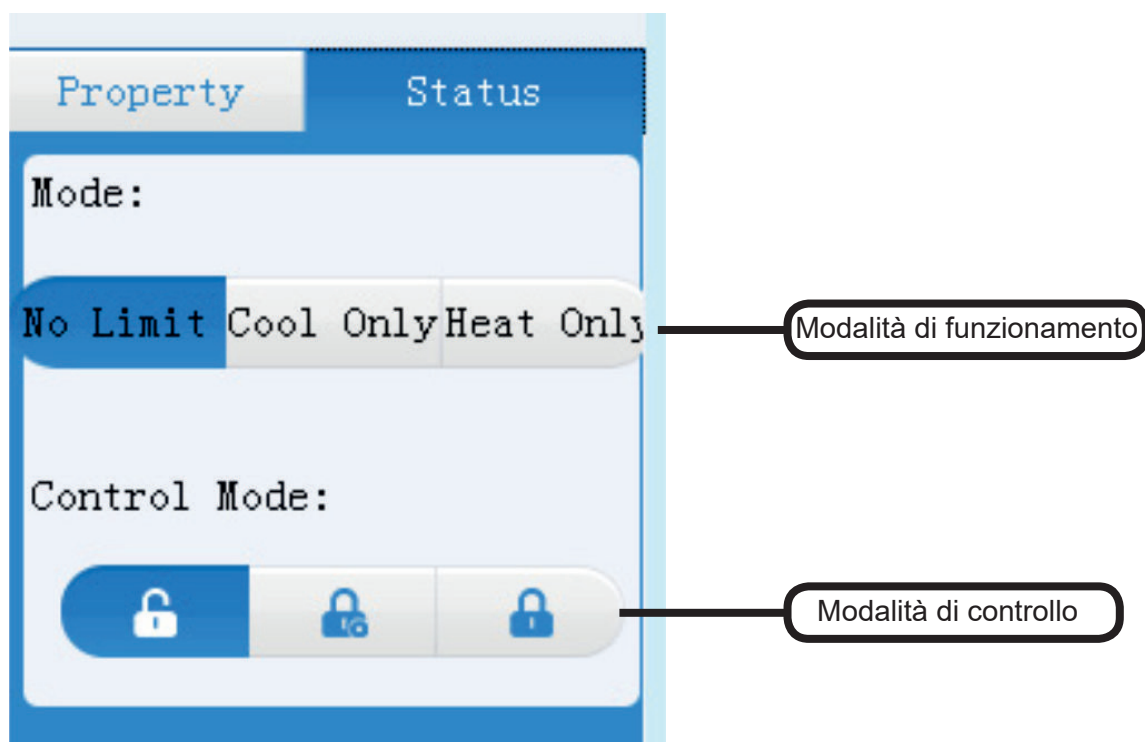


(b). Modalità di lavoro/Modalità di controllo

Visualizza la modalità di funzionamento e la modalità di controllo sotto l'etichetta "stato"

Modalità di funzionamento: Nessun limite, solo raffreddamento, solo riscaldamento;


Modalità di controllo: LIFO (Last In First Out), controllo centrale, Blocco;




Modalità di funzionamento:


Nessun limite: Sono disponibili tutte le modalità di lavoro

Solo raffreddamento: L'interno può funzionare solo in modalità raffreddamento. Non consente altre modalità.

Solo riscaldamento : L'unità interna può funzionare solo in modalità riscaldamento. Non consente altre modalità. LIFO (Last In First Out): Esegue l'ultimo ordine di input indipendentemente da dove proviene.

40VCB117FQEE, controller cablato o telecomando: ad esempio, inizialmente 40VCB117FQEE invia bassa velocità, quindi il controller cablato invia alta velocità, infine l'unità inizia a funzionare ad alta velocità.

Controllo centrale : Disponibile solo con 40VCB117FQEE Il controller cablato o telecomando possono accendere o spegnere solo l'unità interna.

Blocco : Tutti gli ordini vengono inviati solo da 40VCB117FQEE. Il controller cablato o il telecomando possono visualizzare solo le condizioni di funzionamento.

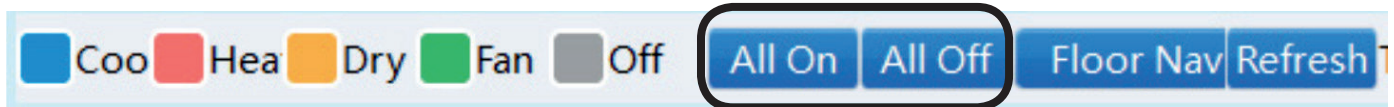
(c) Controllo di più unità interne: Per controllare più unità interne, seguire i passaggi elencati di seguito:

- Tenere premuto il pulsante "Ctrl" e fare clic sull'unità interna che si desidera controllare
- Premere il pulsante ON/OFF (Acceso/Spento) per accendere/spegnere l'unità interna,
- Trascinare il cursore per impostare la temperatura
- Fare clic sulla velocità della ventola che si desidera impostare;
- Fare clic sulla modalità di lavoro che si desidera impostare;



The screenshot shows the 'Commercial AC Management Software 2.0' interface. It features a grid of 15 temperature control cards for different units. The top row shows temperatures of 23°C, 24°C, 22°C, 24°C, and 22°C. The second and third rows show 22°C for all units. A callout box points to the top-left card (23°C) with the text: "Tenere premuto il pulsante 'Ctrl' e fare clic sull'unità interna che si desidera controllare". Another callout box points to the control area on the right side of the interface, which includes a power button and a temperature display (16°C), with the text: "Quest'area mostra le funzioni di controllo disponibili, non lo specifico stato di funzionamento dell'unità interna corrente." The interface also includes a navigation menu at the top (Monitor, Schedule, Device Manager, Data Manage, System Setup) and a status bar at the bottom with various control options like Cool, Heat, Dry, Fan, Off, All On, All Off, Floor Nav, Refresh, Total:1, and navigation controls.

(d) Tutto on/off (accesso/spento)



Premere "All On" (Tutto acceso) per accendere tutte le unità interne

Premere "All Off" (Tutto spento) per spegnere tutte le unità interne

Impostazione piano

1. Impostazione area



Premere "Impostazione piano" (Floor Setup) per accedere all'interfaccia di impostazione dell'area

Premere sulla freccia a discesa per scegliere la piantina del piano.

Premere "Importa" (Import) e scegliere la piantina del piano; questa deve essere in formato PNG

Premere "elimina questa piantina" (delete this map) per eliminare lo schema corrente

Piantina corrente

Italiano

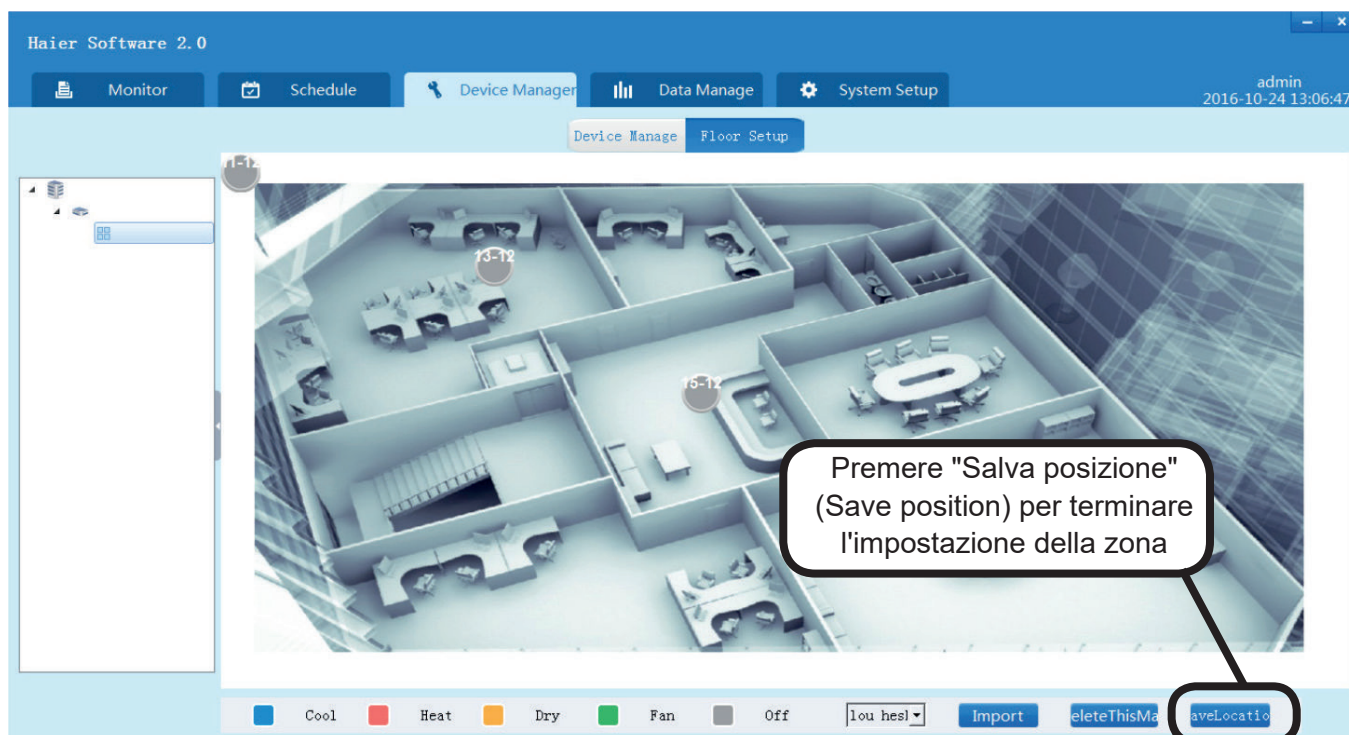
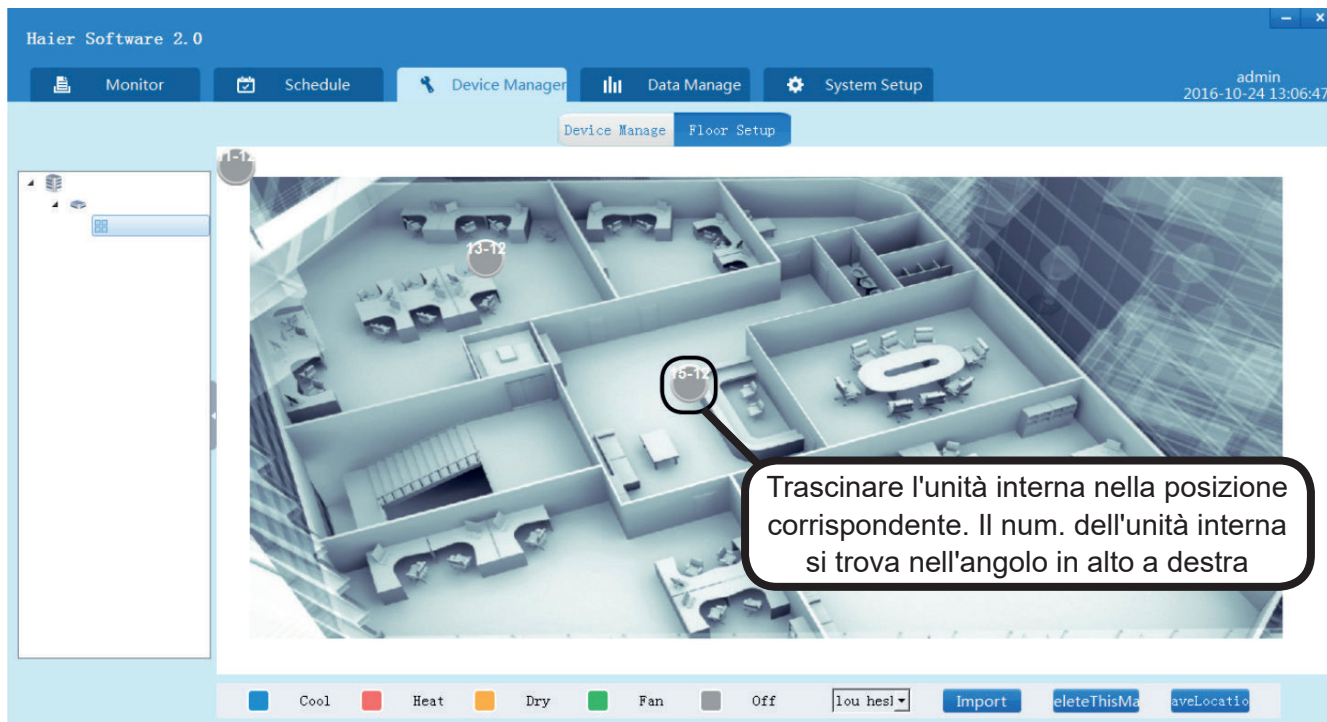


① Scegliere il piano da impostare

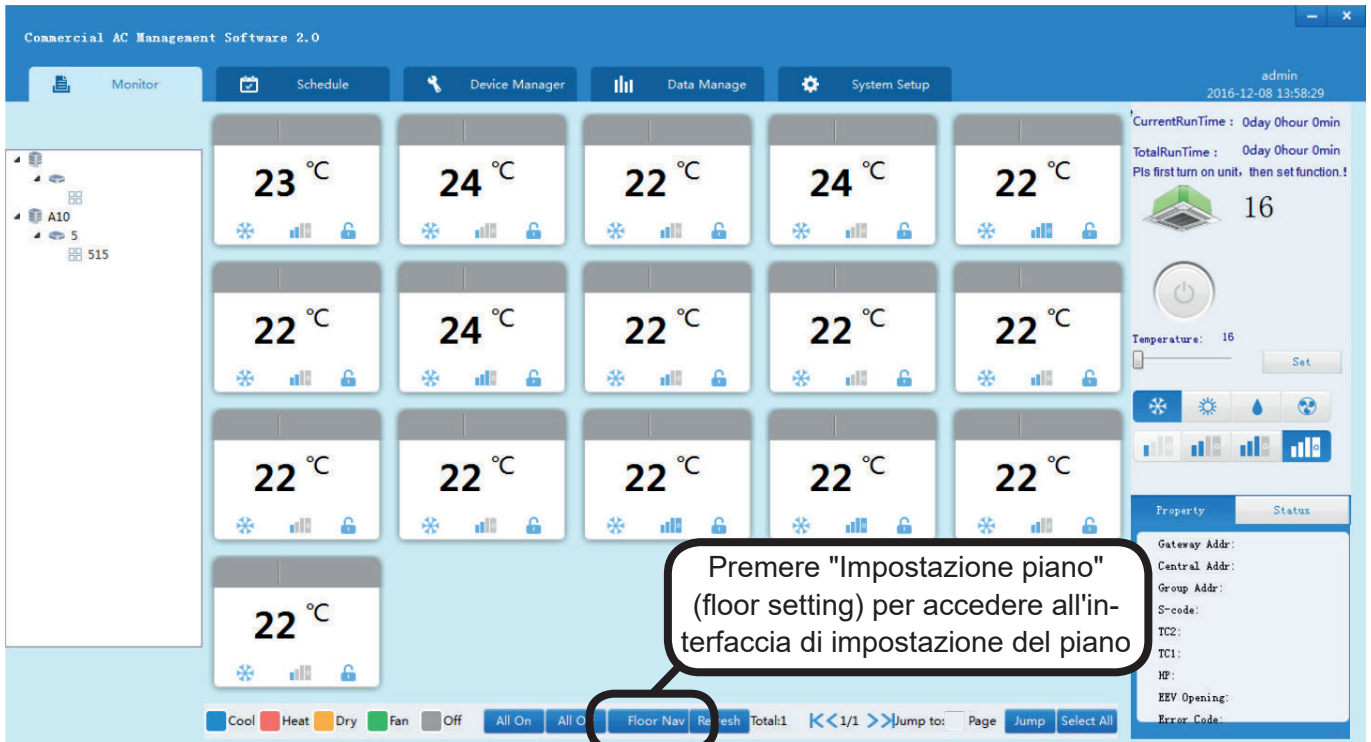
② Tutte le unità interne vengono visualizzate qui, trascinare l'unità interna sul luogo corrispondente.



“: 1-2 sta per unità interna n.1 collegata a 40VCBM17FQEE n.2”. 516 è il numero della stanza.



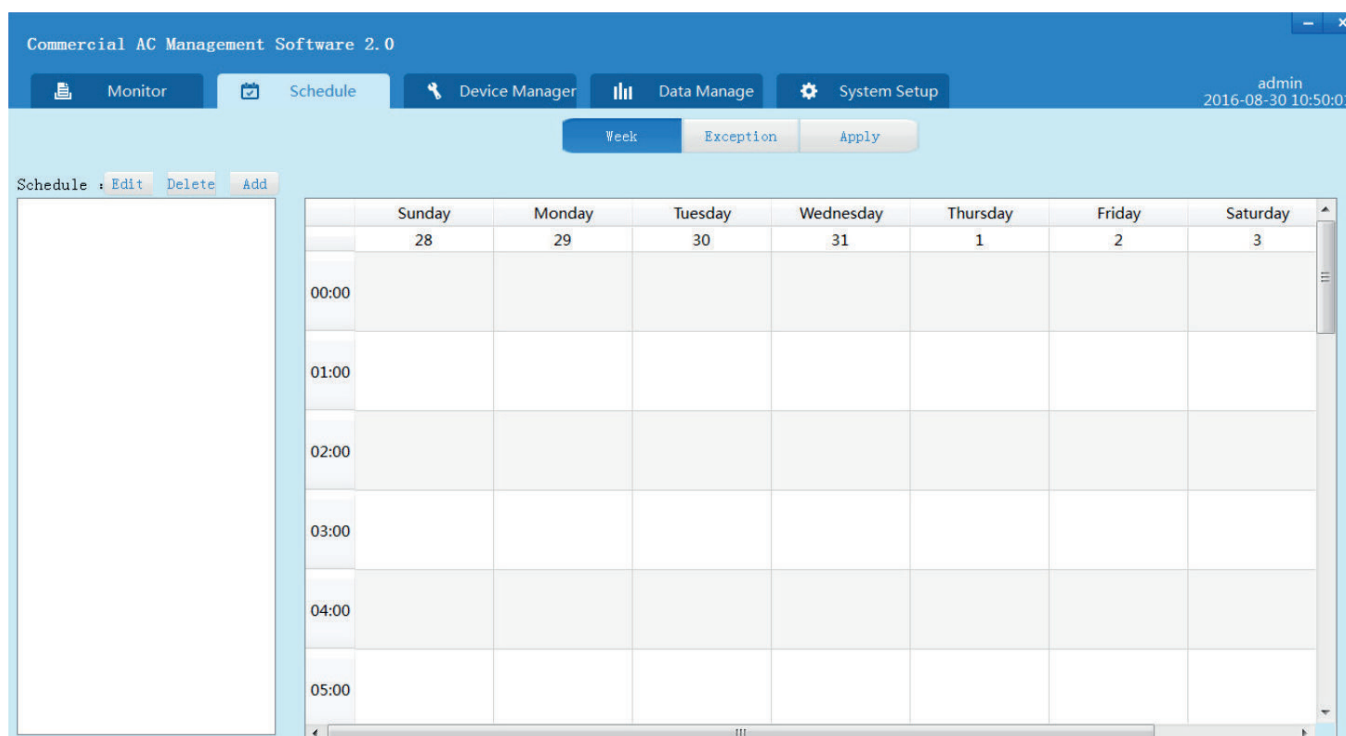
2. Impostazione piano



Commento: È possibile utilizzare diverse piantine per diversi piani.

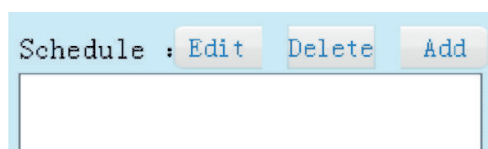
Impostazione programma

Premere il pulsante "Programma" nella pagina principale per accedere all'impostazione del programma.

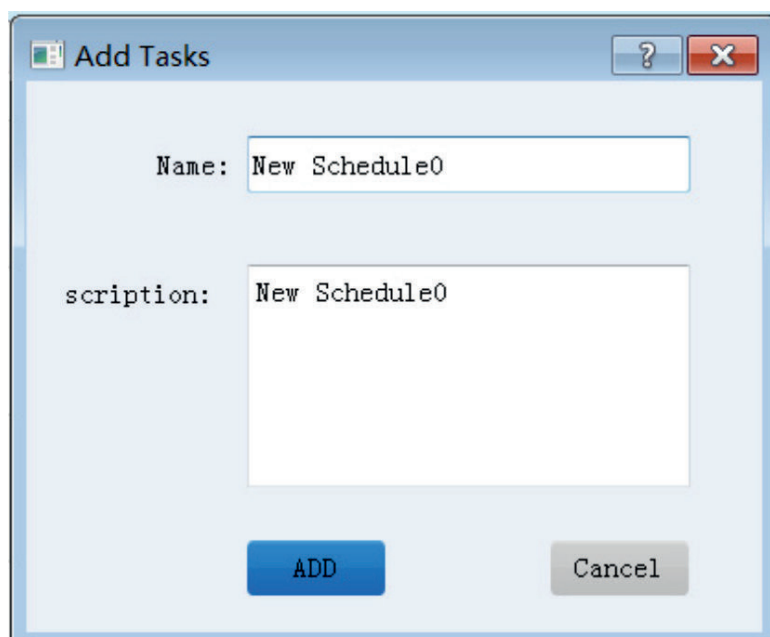


1. Programma settimanale

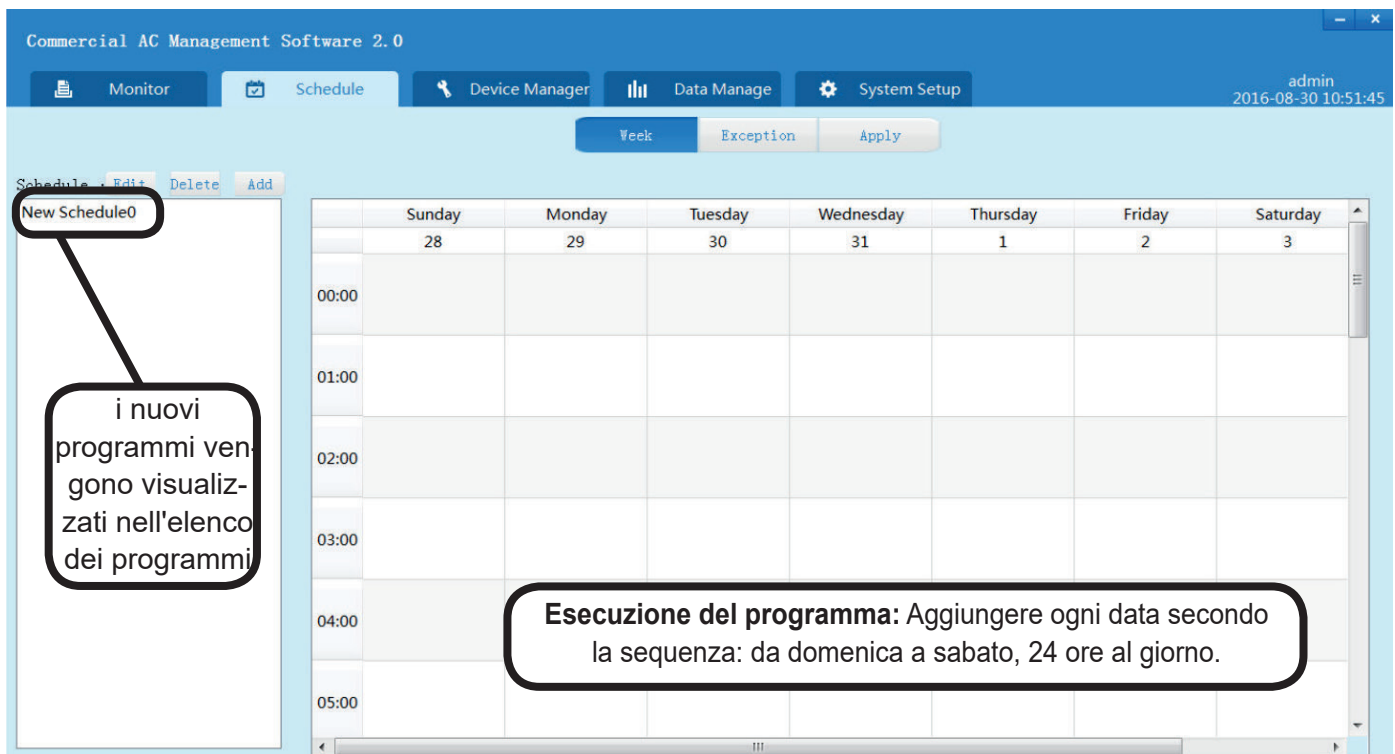
① Premere "Aggiungi" (Add)



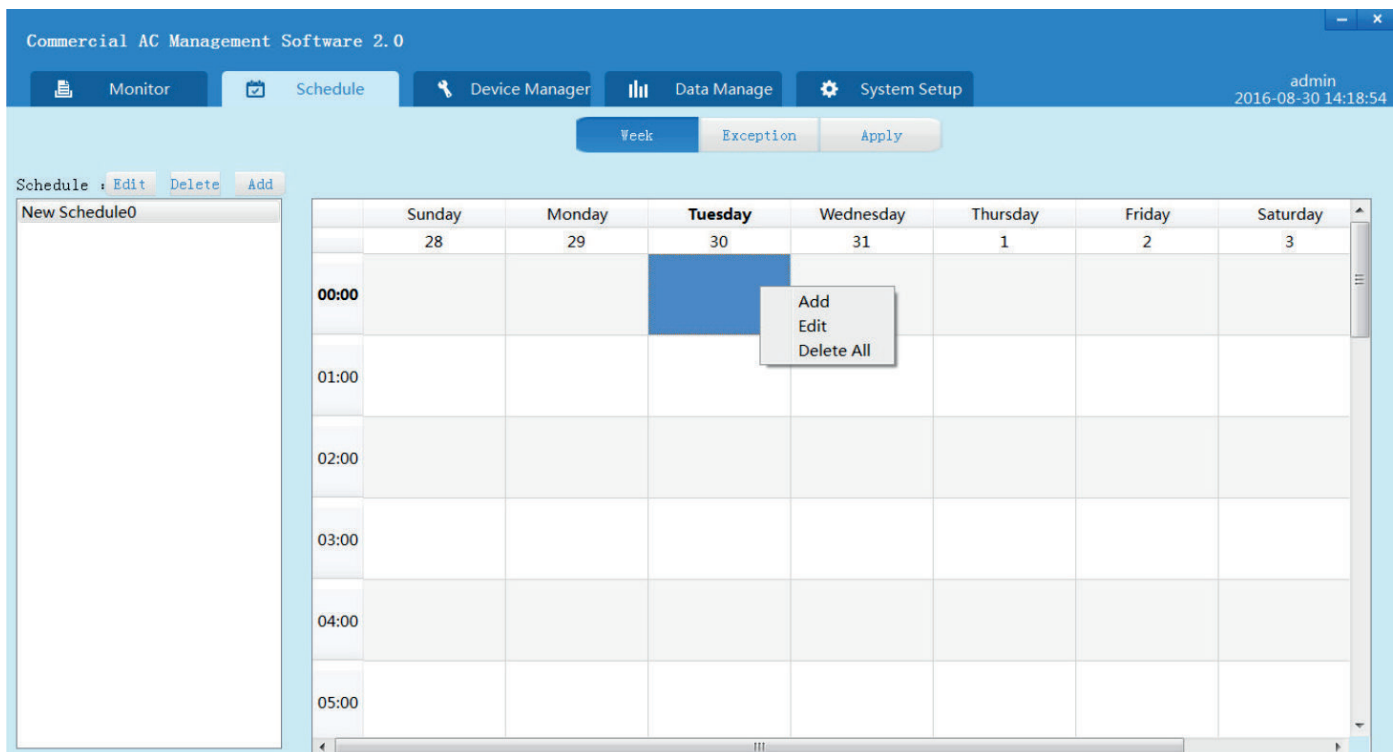
② Viene visualizzata una finestra di dialogo, inserire il nome del programma o la descrizione.



- ③ Premere il pulsante "AGGIUNGI" (ADD) per creare un nuovo programma;



- ④ Nella sezione "nuovo programma" (new schedule), fare clic con pulsante destro del mouse su "Area esecuzione del programma" (Implementation schedule area) e si visualizzerà un menu di scelta rapida



⑤ Fare clic su "Aggiungi" (Add) per il menu di scelta rapida

Day of Week: Tuesday
Time (24h): 0 : 0
Name: 111
Description: 6666
Power: ON Control Mode: LIFO
Fan Speed: Low Run Mode: Cool
Temperature: 20
Save cancel

Per l'ora predefinita corrispondente, fare clic con il pulsante destro del mouse sull'area; è possibile modificare l'ora manualmente.

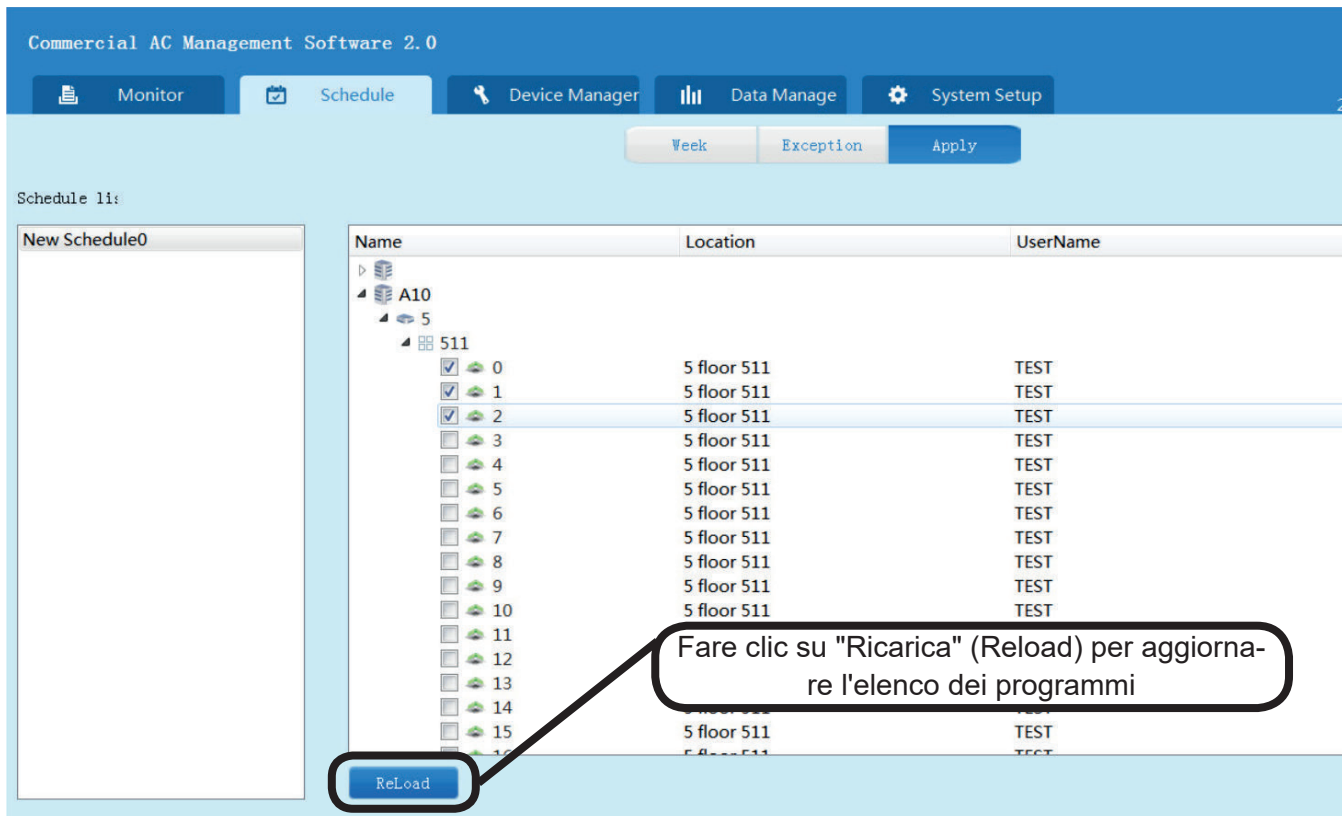
Per impostare tempo di esecuzione programmato degli interruttori, modello di controllo, temperatura, velocità del ventilatore, modello di funzionamento impostato, inserire un nome e una descrizione, impostarli dopo il completamento. Quindi fare clic su "salva" (save).

	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
	28	29	30	31	1	2	3
00:00			'00:00','111'				
01:00							
02:00							
03:00							
04:00							
05:00							

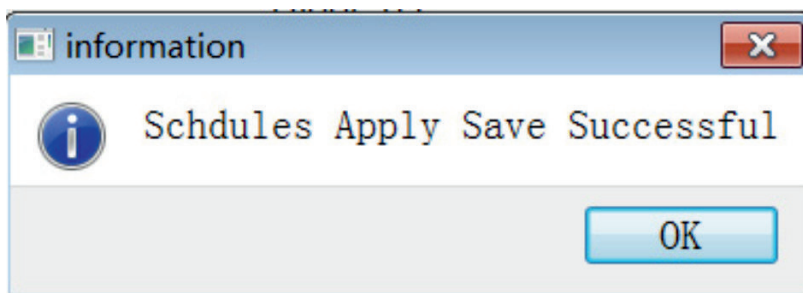
Includendo "08:00" come tempo di esecuzione dell'azione e "XXXXX" come nome del programma, il programma appena aggiunto viene visualizzato nella posizione corrispondente dell'elenco

Dopo essere tornati all'interfaccia di impostazione del programma, la posizione temporale corrispondente mostra l'ora e il nome di esecuzione, impostando così il nuovo programma. Ripetere questa azione per aggiungere nuovi programmi.

⑥ Nell'interfaccia "Applica" (Apply), è possibile selezionare "Programma" (Schedule) all'elenco dei programmi a sinistra e selezionare l'unità interna dall'elenco a destra.



Facendo clic su "Salva" (Save) viene visualizzata una finestra di dialogo di richiesta. Facendo clic su "OK" le unità interne selezionate eseguiranno il programma selezionato. Deselezionando il pulsante salva e le unità interne e si annullerà il programma.

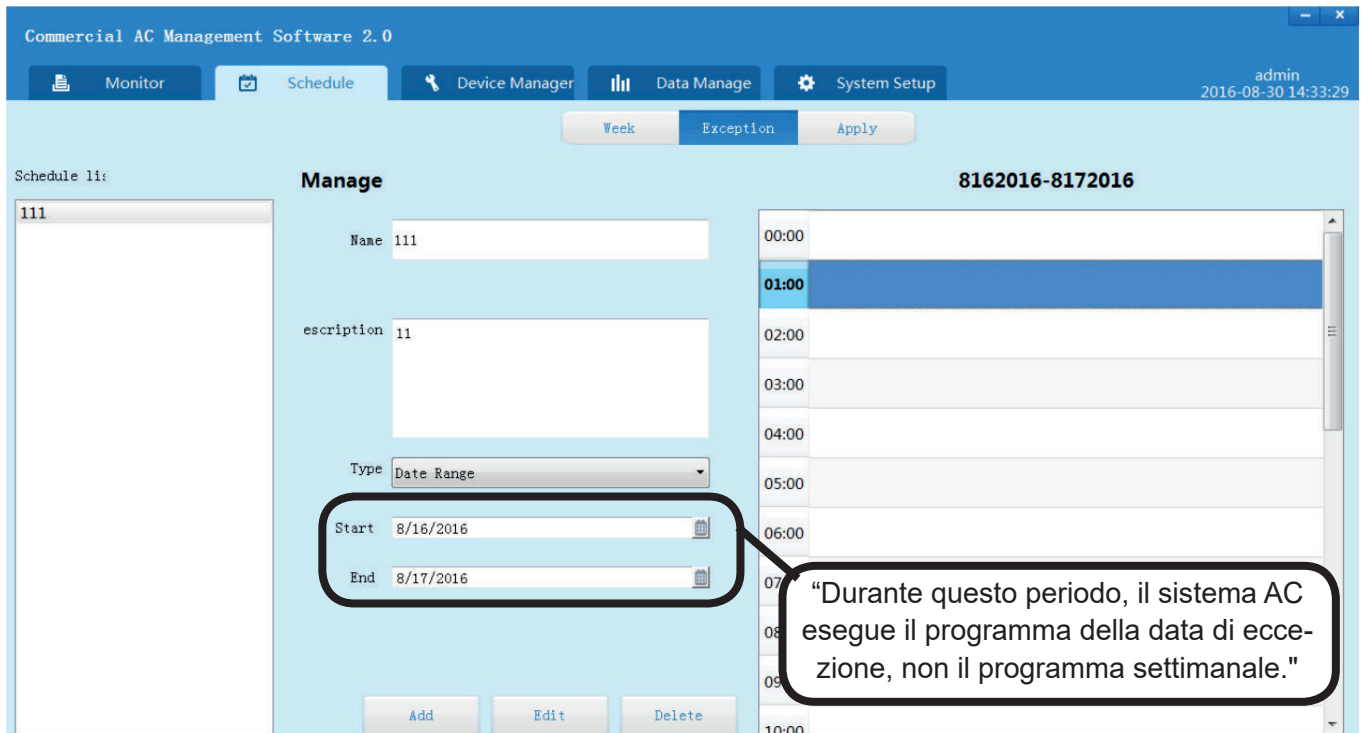


2. Data di eccezione

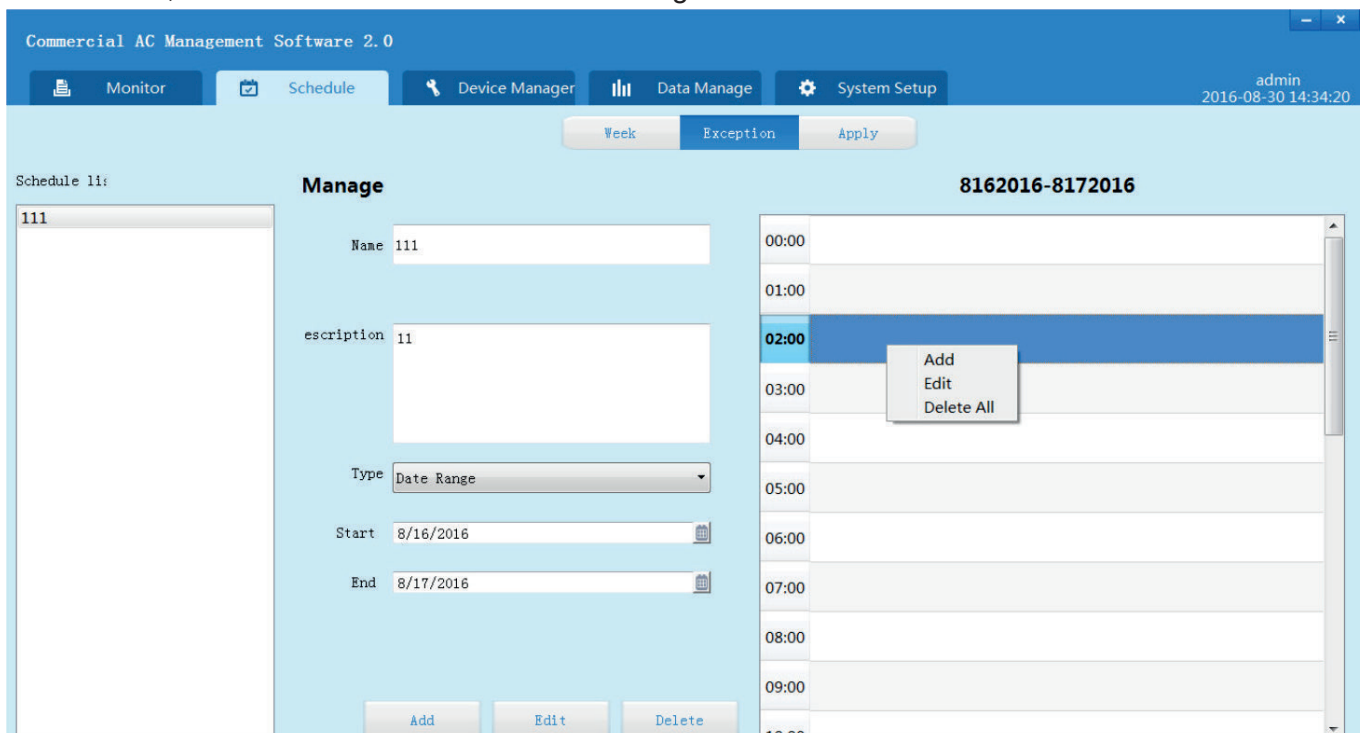
Programmare una data di eccezione significa che il sistema AC eseguirà una pianificazione speciale che non segue la programmazione settimanale già impostata.

Passaggi:

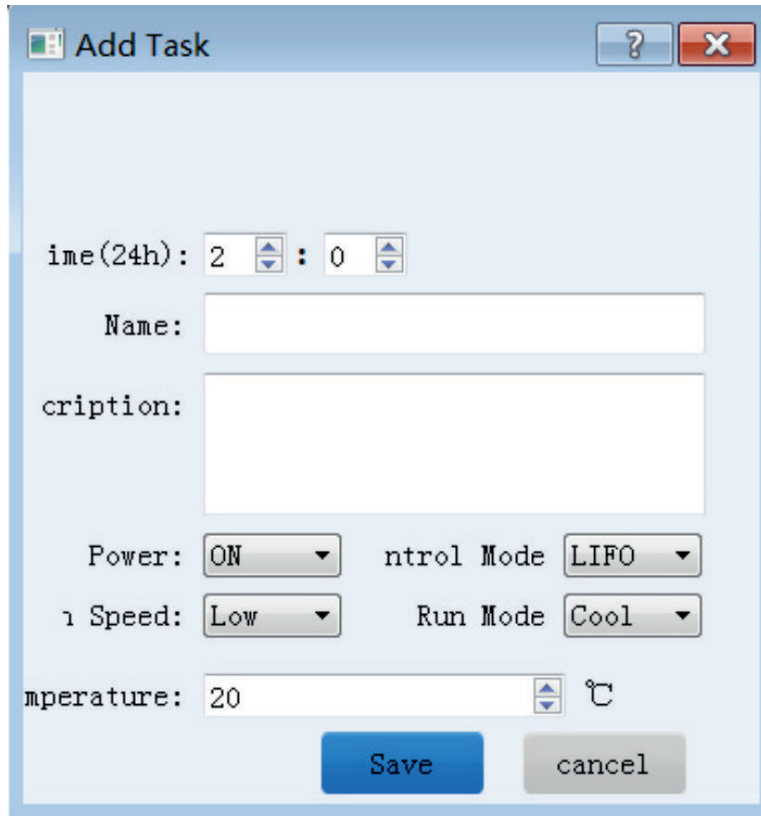
Fare clic sull'icona "Eccezione" (Exception), immettere il nome e la descrizione e selezionare l'intervallo di tempo dell'applicazione.



- ① Fare clic su "Aggiungi (Add): per aggiungere il nuovo programma. Facendo clic con il tasto destro sull'orario, verrà visualizzata una finestra di dialogo.



② Fare clic su "Aggiungi attività" (Add Task).



Time(24h): 2 : 0

Name:

Description:

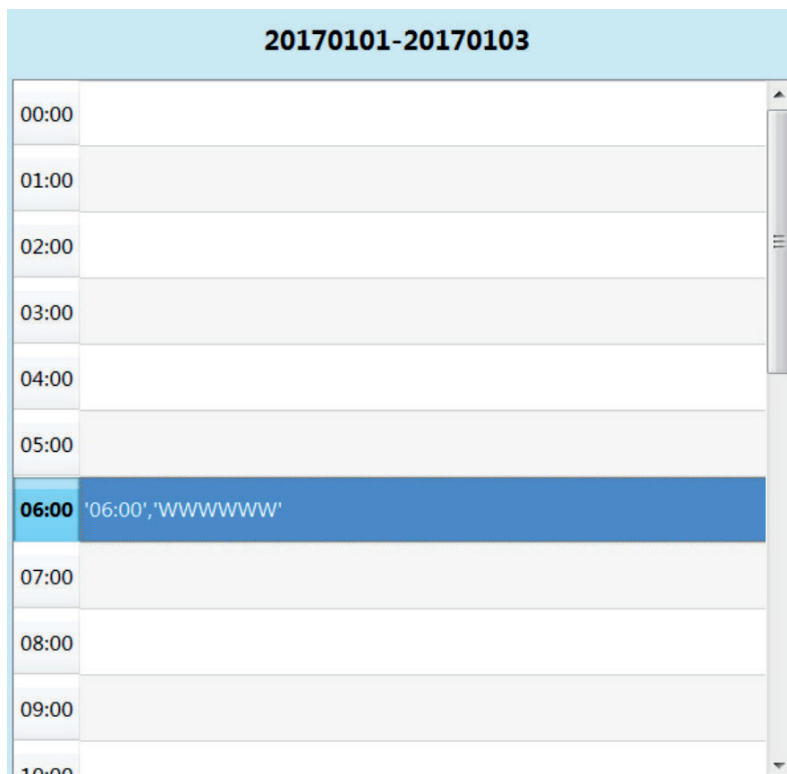
Power: ON Control Mode LIFO

Fan Speed: Low Run Mode Cool

Temperature: 20 °C

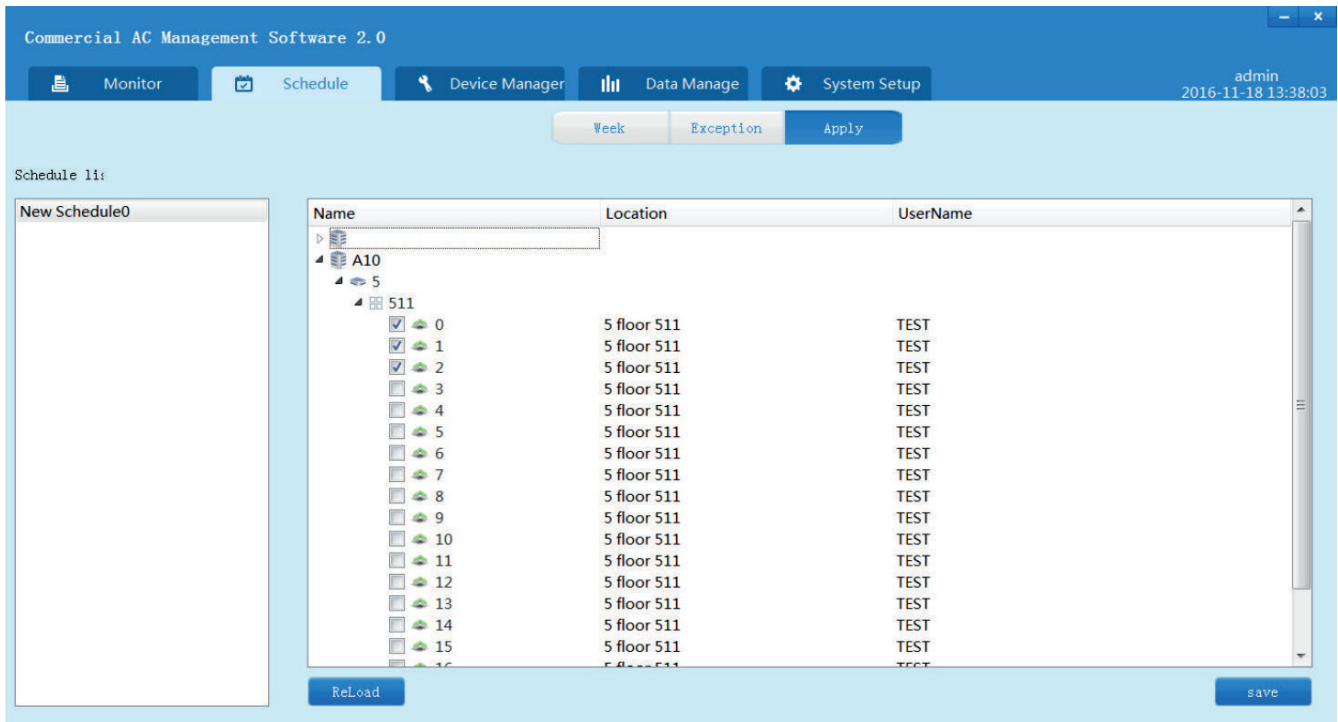
Save cancel

Impostare: tempo di esecuzione, On/Off (Acceso/Spento), modalità di controllo, ventola, modalità di funzionamento, temperatura impostata e nome e descrizione del programma. Fare clic su "Salva" (Save) per salvare l'impostazione. Tornare all'interfaccia di impostazione del programma. La posizione temporale corrispondente mostra il nuovo programma. Ripetere questa azione per aggiungere nuovi programmi.



20170101-20170103	
00:00	
01:00	
02:00	
03:00	
04:00	
05:00	
06:00	'06:00', 'WWWWWWW'
07:00	
08:00	
09:00	
10:00	

- ③ Nell'interfaccia "Applica" (Apply), è possibile selezionare "Programma" (Schedule) dall'elenco dei programmi a sinistra e selezionare l'unità interna dall'elenco a destra.



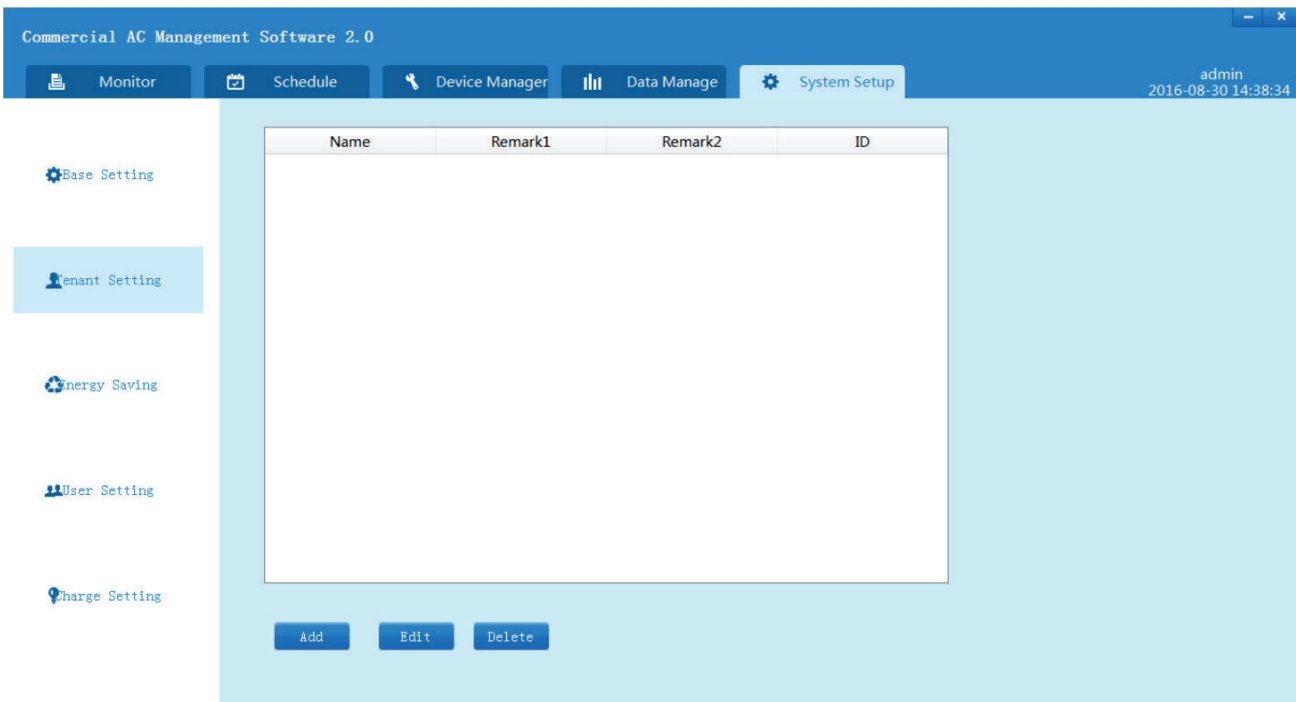
Facendo clic su "Salva" (Save) viene visualizzata una finestra di dialogo di richiesta. Facendo clic su "OK" le unità interne selezionate eseguiranno il programma selezionato. Deselezionando l'unità interna e la casella relativa al salvataggio si annulla il programma.



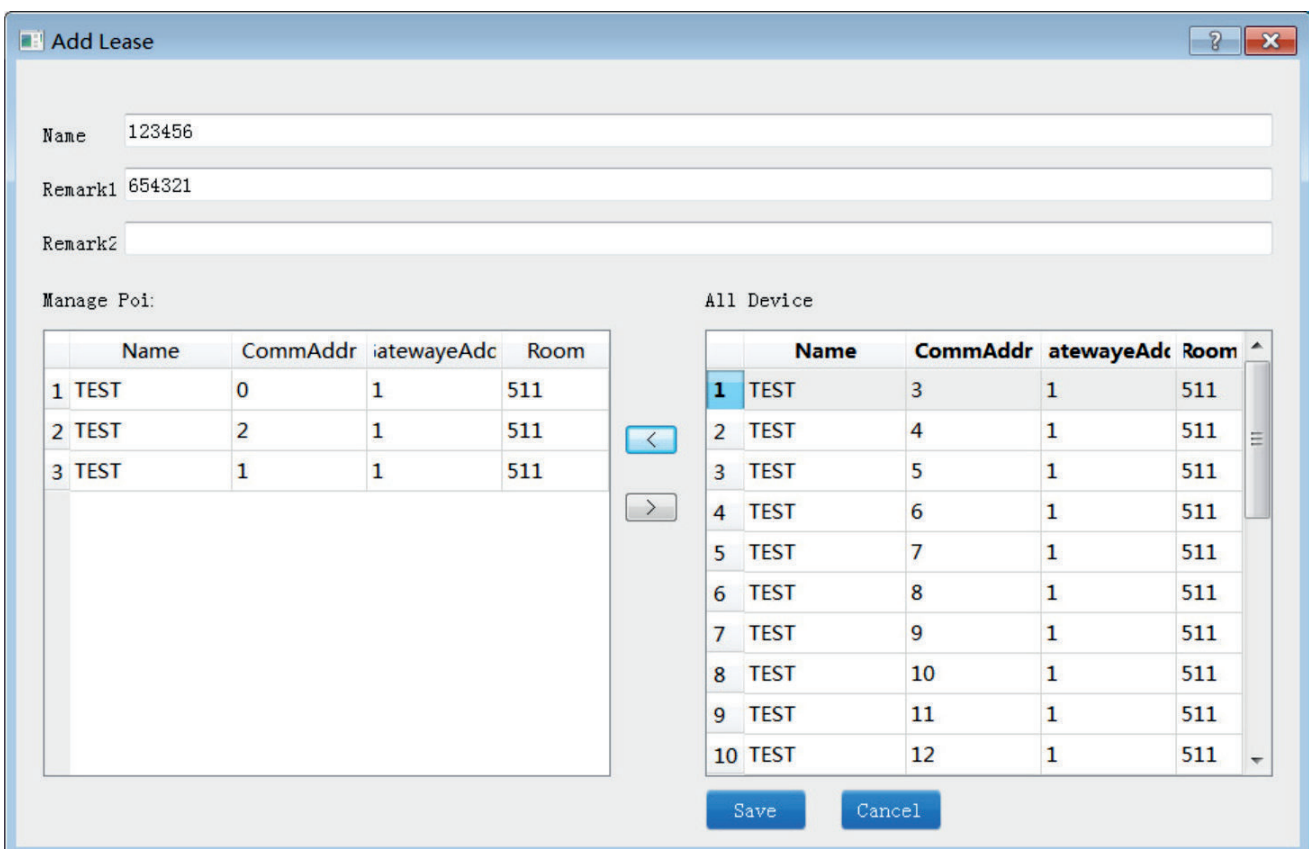
Gestione dati

L'impostazione del tenant e le informazioni sull'elettricità sono necessarie prima della gestione dei dati.

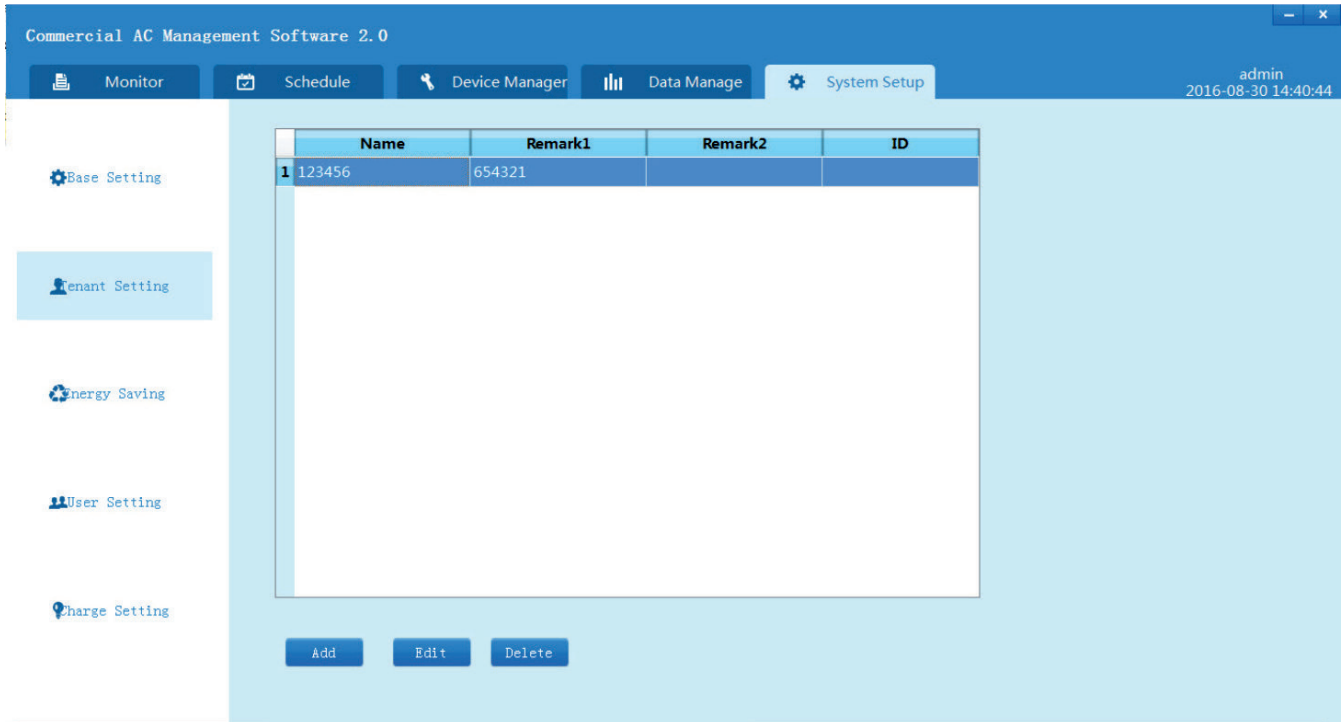
8.1 Impostazione tenant



Fare clic su "Aggiungi" (Add), si apre una finestra di dialogo. Inserire il nome e le note e aggiungere i dispositivi dalla tabella "Tutti i dispositivi" (All Device) alla tabella "Gestisci punti" (Manage Point).



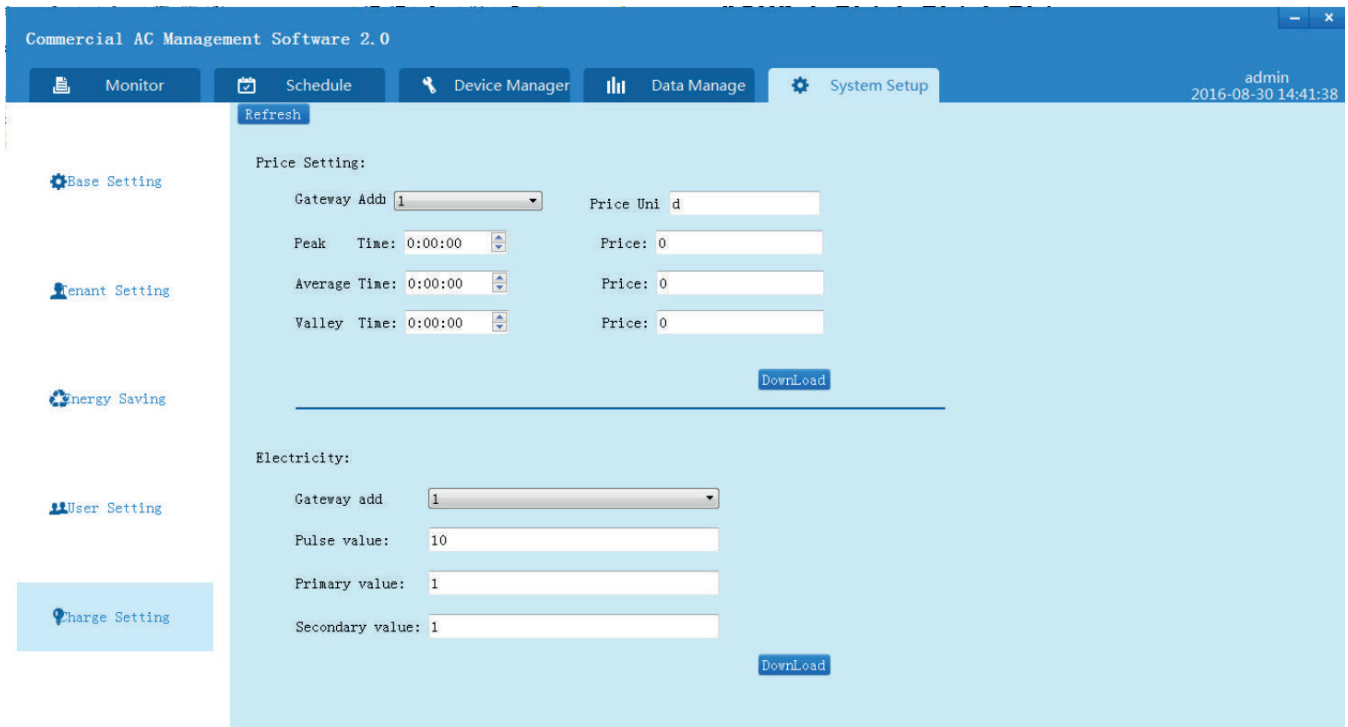
Fare clic su "Salva" per terminare l'impostazione del tenant. L'account del tenant appena aggiunto verrà visualizzato nella tabella Impostazioni tenant. Gli account possono essere modificati o eliminati.



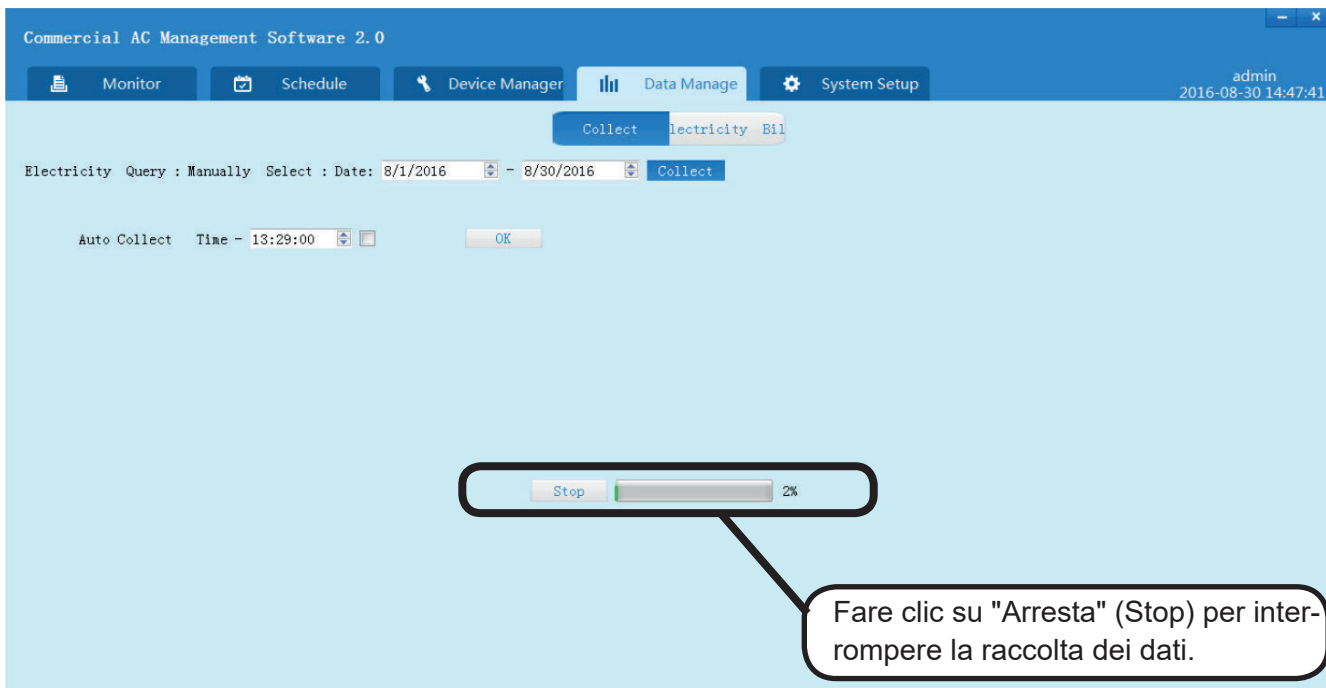
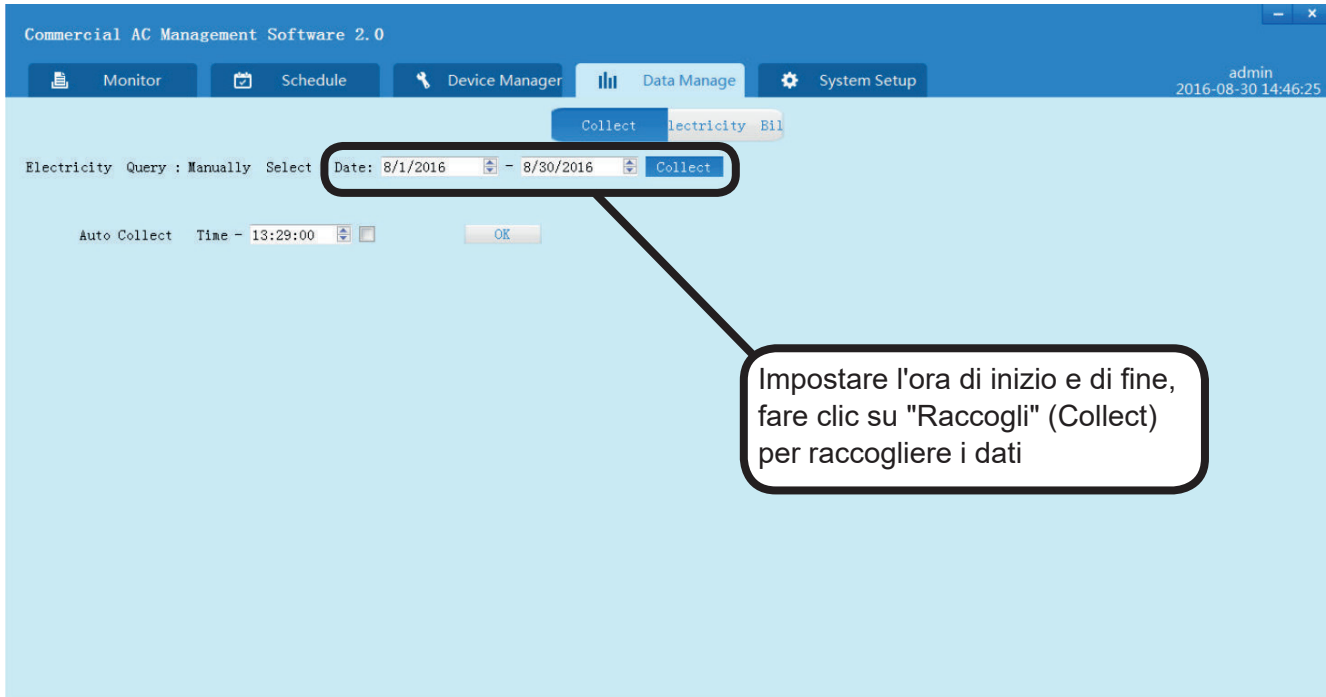
8.2 Impostazione delle informazioni sull'elettricità

Impostazione del prezzo dell'elettricità: Ogni gateway deve impostare il prezzo dell'elettricità. Impostare l'ora di inizio, il prezzo e l'unità di prezzo per il prezzo più alto, medio e basso. Fare clic su "Download" per attivare l'impostazione.

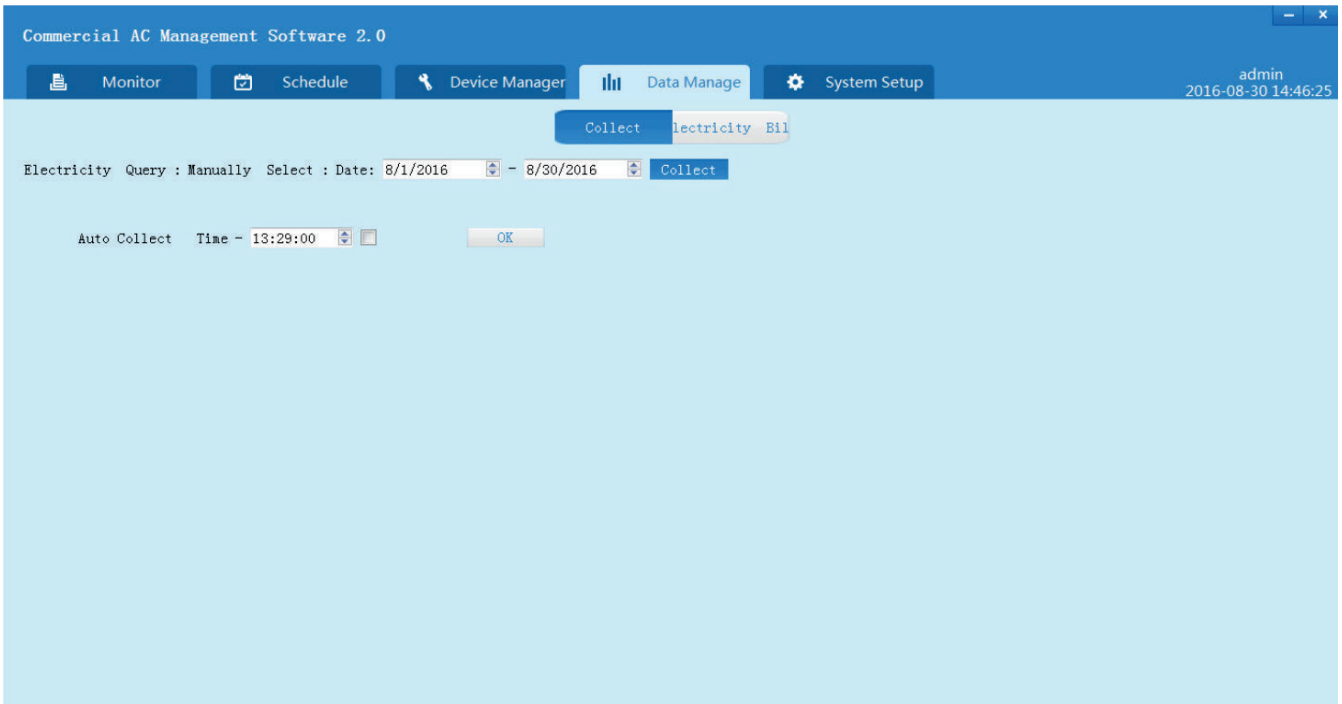
Per ogni gateway, impostare il valore di impulso, il valore primario, il valore secondario. Fare clic su "Download" per attivare l'impostazione.



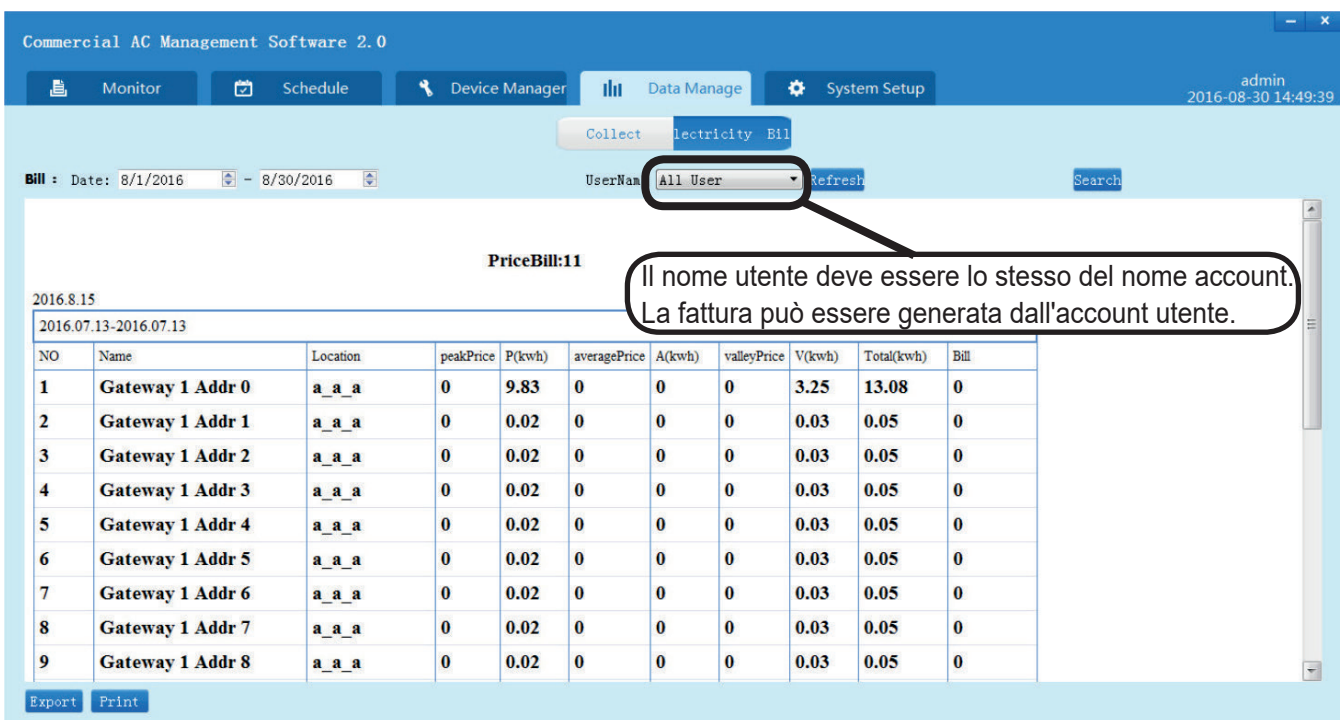
Raccogliere i dati sul consumo energetico dall'interfaccia "Gestione dati" (Data Manage). Impostare l'intervallo di tempo, quindi fare clic su "Raccogli" (Collect). Il processo viene visualizzato sull'interfaccia. Fare clic su "Arresta" (Stop) per interrompere la raccolta dei dati.



Raccolta automatica: Impostare l'orario della "Raccolta automatica", selezionare la casella di controllo e fare clic su "OK". È possibile raccogliere automaticamente i dati sul consumo energetico nel momento in cui vengono impostati. Deselezionare la casella di controllo per annullare la raccolta automatica. La raccolta manuale presenta priorità maggiore e comprende i dati raccolti automaticamente."



Nell'interfaccia "Bolletta elettrica" (Electricity Bill), inserire l'intervallo di tempo e il nome utente, quindi fare clic su "Cerca". Sull'interfaccia viene quindi mostrata la bolletta. "Esporta (Export)" and "Stampa (Print)" per esportare o stampare la fattura.



Registro di esecuzione del sistema

1. Impostazione di base



Lingua: le lingue disponibili sono inglese e cinese

Revisione orario del gateway: il gateway 40VCBM17FQEE registra il consumo di elettricità. È possibile selezionare "Ora PC locale" (Local PC time) e "Ora utente" (User Time).

Unità di temperatura: Impostazione delle unità di temperatura per ciascuna interfaccia. Celsius e Fahrenheit sono facoltativi.

Impostazione della porta modbus L'interfaccia di terze parti fornisce ciò tramite la porta seriale del computer.



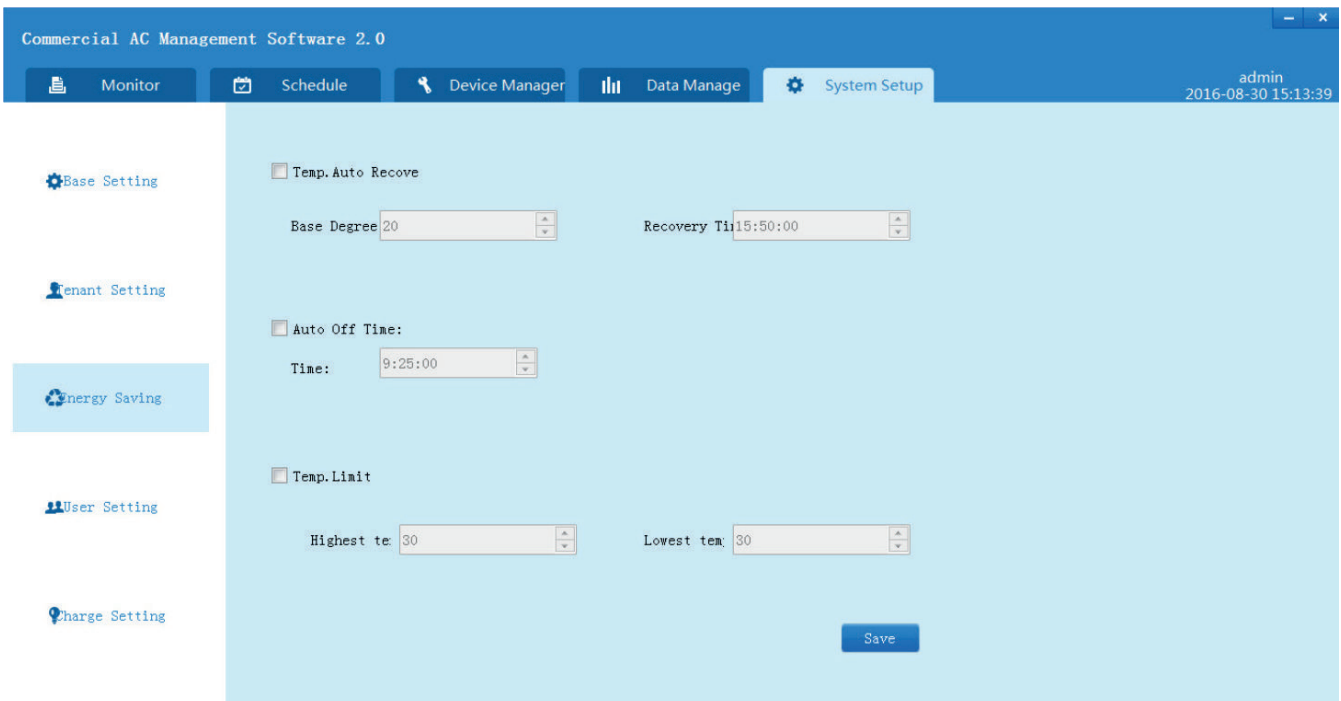
Collegare la porta seriale 485 al computer, selezionare la porta corrispondente nell'interfaccia di impostazione della porta, quindi fare clic su "Apri com." (Open Com). Il software di terze parti può interrogare e controllare le unità interne di aria condizionata attraverso questa porta.

2. Impostazioni risparmio energetico

Ripristino automatico della temperatura: Quando si raggiunge l'ora di ripristino, la temperatura impostata diventa automaticamente il "Grado base" (Base degree).

Spegnimento: Spegne l'alimentazione quando raggiunge l'ora impostata.

Limite di temperatura: Impostare il limite di temperatura per risparmiare energia. La temperatura impostata non deve superare la temperatura più alta in modalità riscaldamento e non deve essere inferiore alla temperatura più bassa in modalità raffreddamento e deumidificazione.



Commercial AC Management Software 2.0

Monitor Schedule Device Manager Data Manage System Setup

admin 2016-08-30 15:13:39

Base Setting

Tenant Setting

Energy Saving

User Setting

Charge Setting

Temp. Auto Recove

Base Degree: 20 Recovery Time: 15:50:00

Auto Off Time:

Time: 9:25:00

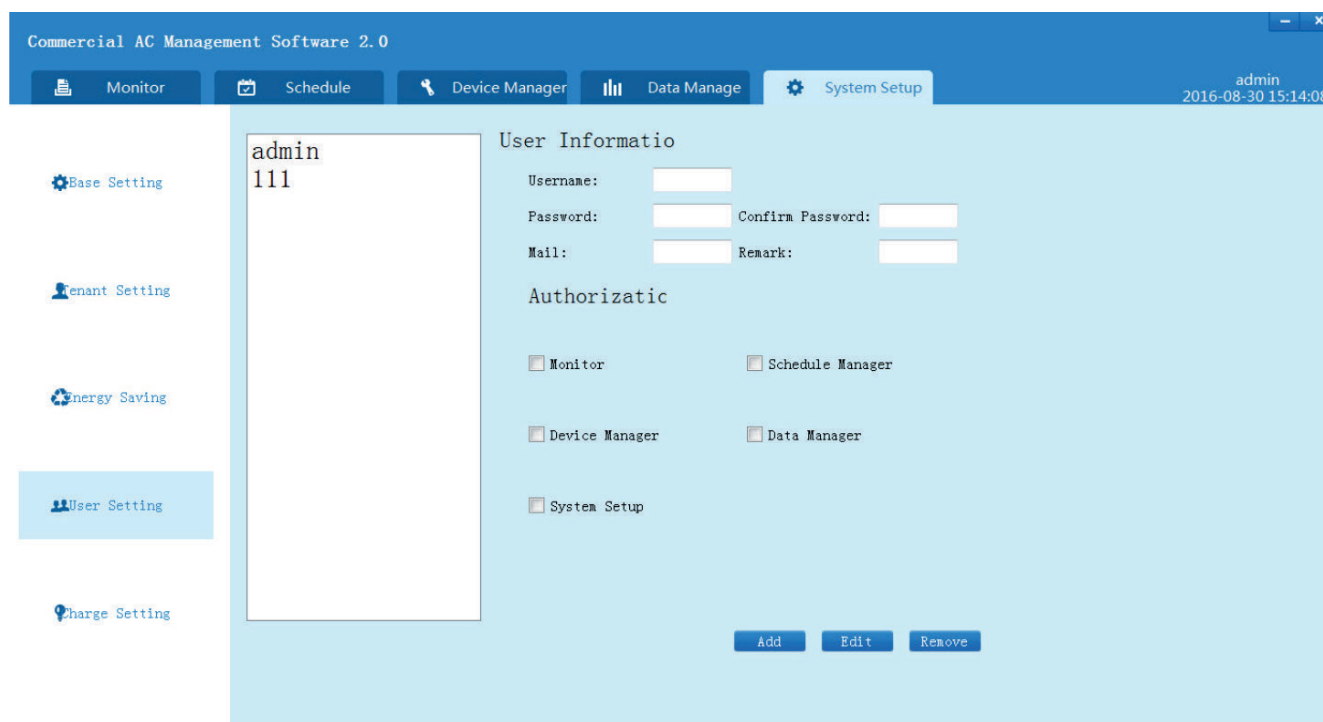
Temp. Limit

Highest temp: 30 Lowest temp: 30

Save

3. Gestione utenti

Aggiunta, modifica ed eliminazione delle informazioni sull'utente, inclusi nome utente, password, e-mail e commento e impostazione delle autorizzazioni per gli utenti.



The screenshot displays the 'Commercial AC Management Software 2.0' interface. The top navigation bar includes 'Monitor', 'Schedule', 'Device Manager', 'Data Manage', and 'System Setup'. The 'System Setup' tab is active, showing a sidebar with 'User Setting' selected. The main content area is titled 'User Informatio' and shows a list of users with 'admin' and '111' visible. To the right, there are input fields for 'Username', 'Password', 'Confirm Password', 'Mail', and 'Remark'. Below this is an 'Authorizatic' section with checkboxes for 'Monitor', 'Schedule Manager', 'Device Manager', 'Data Manager', and 'System Setup'. At the bottom right, there are 'Add', 'Edit', and 'Remove' buttons. The top right corner shows the user 'admin' and the timestamp '2016-08-30 15:14:08'.



Turn to the experts

Il produttore si riserva il diritto di modificare le specifiche del prodotto senza preavviso.

Informazioni conformi alla direttiva 2006/42/CE	
Nome del produttore	Carrier SCS
Indirizzo, città, paese	Route de Thil - 01120 Montluel – Francia



Turn to the experts



Manuel d'utilisation et d'installation

NOM DU MODÈLE
40VCB117FQEE

No 0150545715
Publication : 2021-04



Table des matières

Brève introduction	1
Schéma de câblage du système	2
Installation du logiciel	7

Le système BMS transfère les données du climatiseur à un ordinateur via l'adaptateur de protocole de l'Inverter (passerelle). L'utilisateur peut ainsi contrôler en temps réel le fonctionnement des unités intérieures et extérieures à l'aide d'un ordinateur. Il peut régler les paramètres du système, démarrer ou arrêter des unités individuelles ou des groupes selon les besoins, recevoir des alarmes et prendre les mesures correctives en temps réel.

Appareils requis pour faire fonctionner le système 40VCB117FQEE

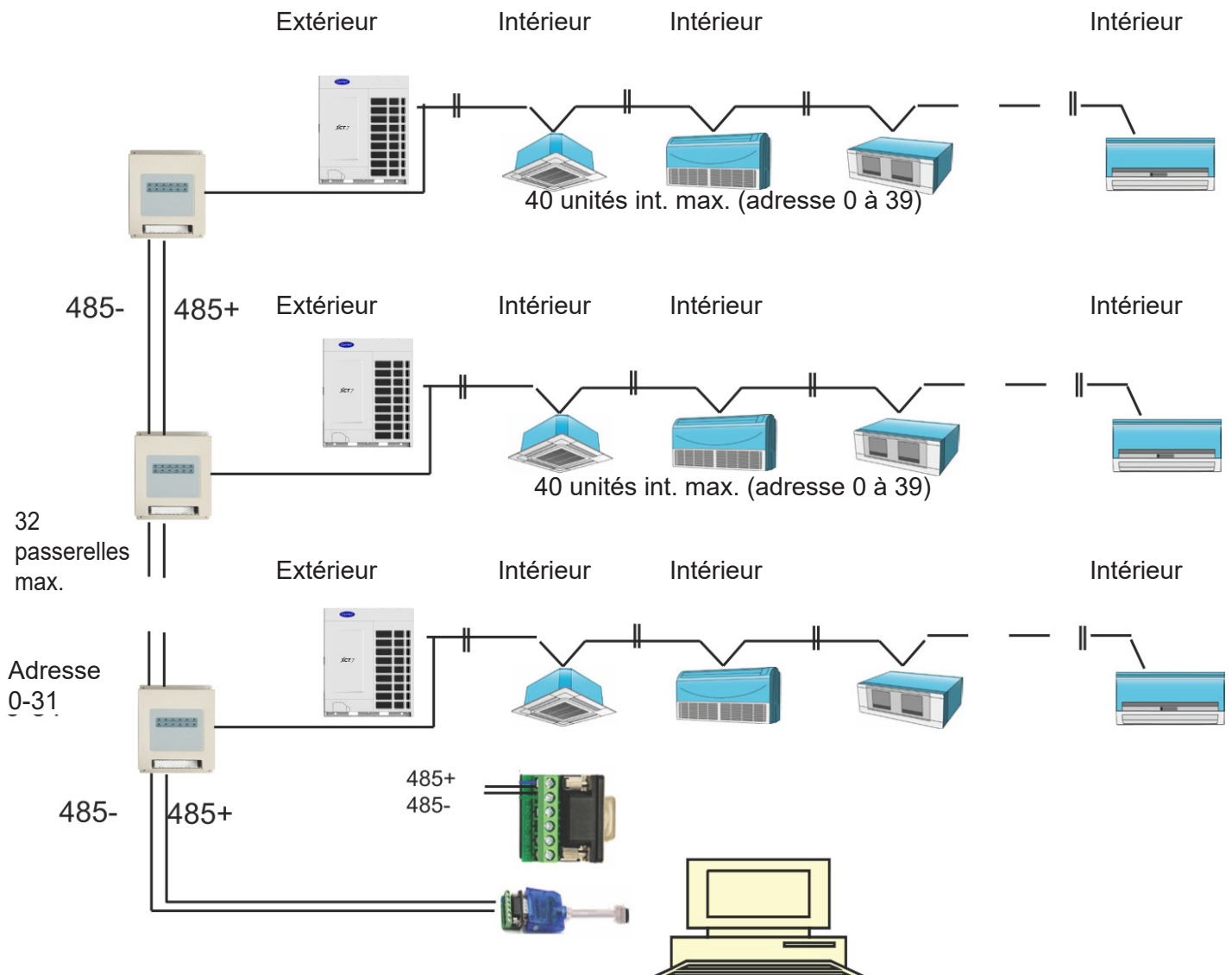
1. Passerelle : conversion du protocole du système de climatisation vers le protocole 485
2. Logiciel : activation des paramètres du climatiseur pour consultation et contrôle sur l'ordinateur.
Chaque ordinateur ne peut exécuter qu'un seul logiciel.
3. Adaptateur : USB vers RS-485 et conversion 485 vers USB
4. Passerelle : 40VCCR17FQEE ou 40VCBM17FQEE.

Dimensionnement

1. Il est possible de raccorder 40 (0 à 39) unités intérieures au maximum par système de refroidissement.
2. Chaque système de refroidissement nécessite un adaptateur de protocole et une passerelle.
3. Un logiciel peut être connecté à 32 passerelles au maximum. Un logiciel peut contrôler 512 unités intérieures au maximum.
4. Après installation, le système ne pourra contrôler que 32 passerelles et 512 unités intérieures. Il bloquera tout ajout d'une passerelle ou d'une unité intérieure supplémentaire.

Exemple :

- Le logiciel (40VCB117FQEE) est connecté à 32 passerelles et 200 unités intérieures. Il est impossible d'ajouter une passerelle supplémentaire.
- Le logiciel (40VCB117FQEE) est connecté à 20 passerelles et 512 unités intérieures. Il est impossible d'ajouter une unité intérieure supplémentaire, mais le logiciel acceptera 12 passerelles supplémentaires.

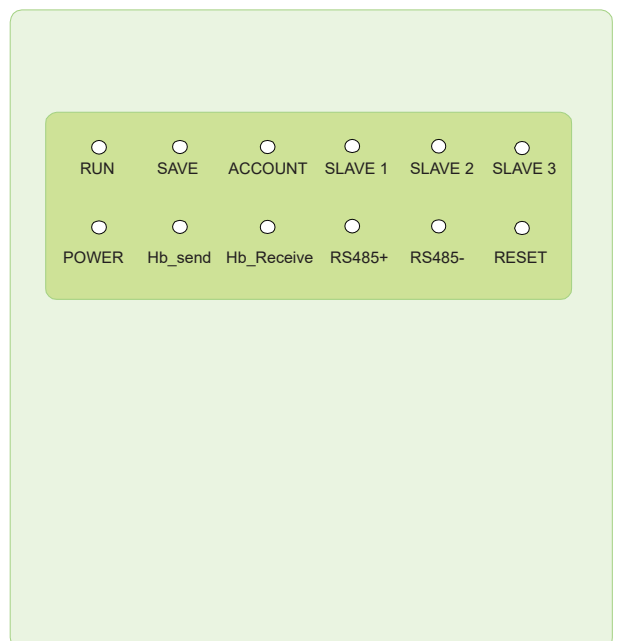


Aspect et dimensions de l'adaptateur de protocole

Aspect :



Dimensions : 200 * 130 * 43 (mm)



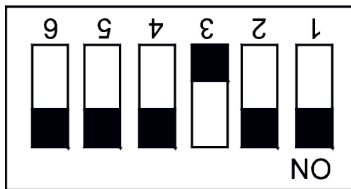
Consignes de câblage

1. L'adaptateur de protocole doit être alimenté en 220 V CA.
2. Les câbles de communication entre les unités intérieures et extérieures et les câbles du bus 485 entre les adaptateurs de protocole doivent être installés dans des gaines de protection en acier au niveau du H-CACSII.
3. L'adresse centrale de l'unité intérieure et l'adresse de l'unité intérieure/extérieure doivent être réglées manuellement.
4. Le système équipé du H-CACSII ne doit pas servir à définir la fonction de groupe de la commande filaire.

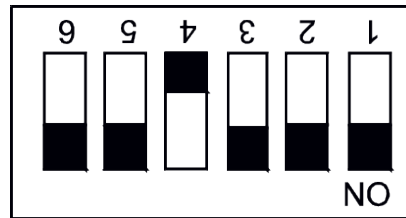
Réglage du commutateur DIP :

ON : 0 ; OFF : 1

Gauche 4



Droite 8



Adresse du 40VCBM17FQEE. Plage d'adresse 1-32

Description des voyants de communication :

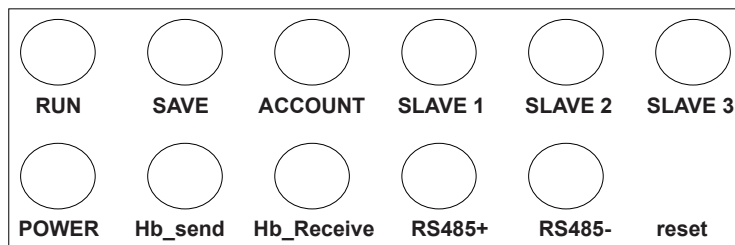
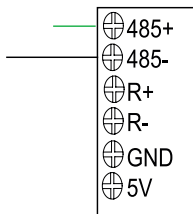
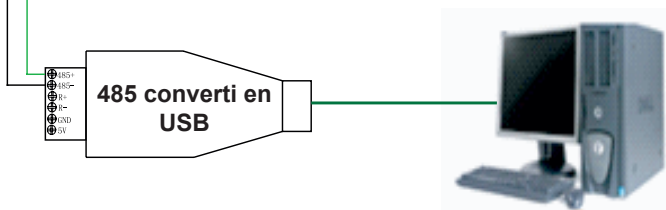
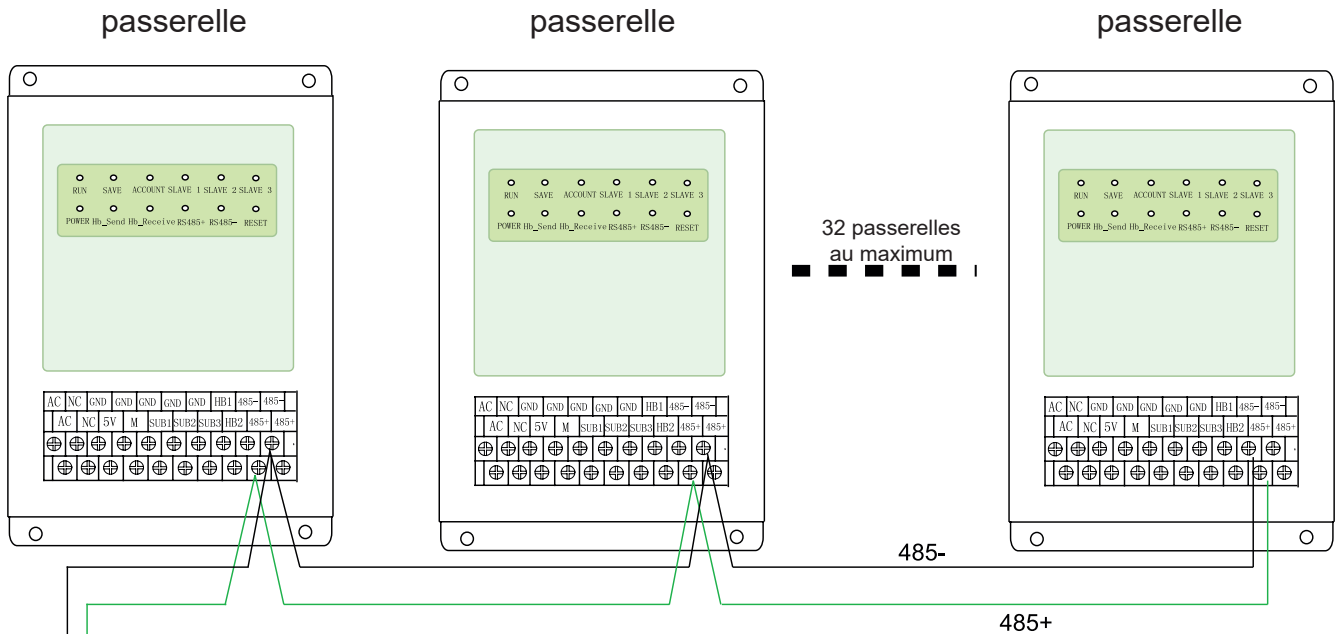
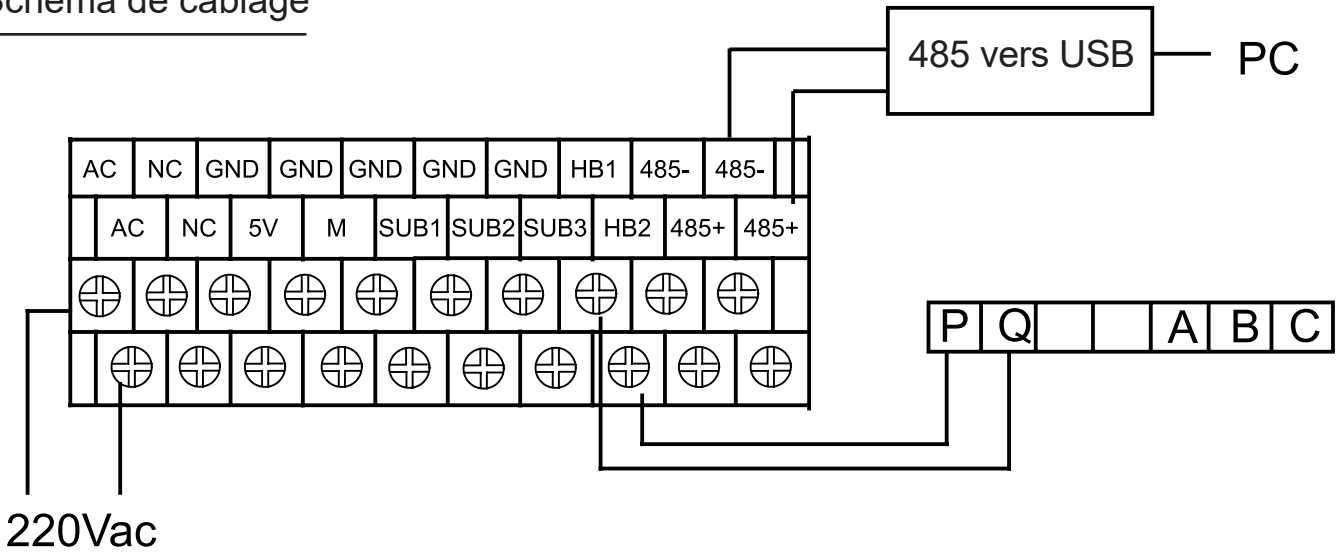


Schéma de câblage



Adaptateur : RS-485 vers USB



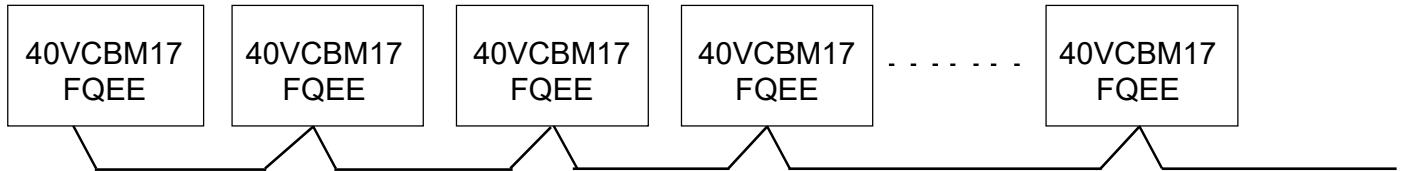
Câblage :

1. Circuit d'alimentation électrique : 220 V CA, 50 Hz.

Respectez les spécifications et fixez solidement les câbles.

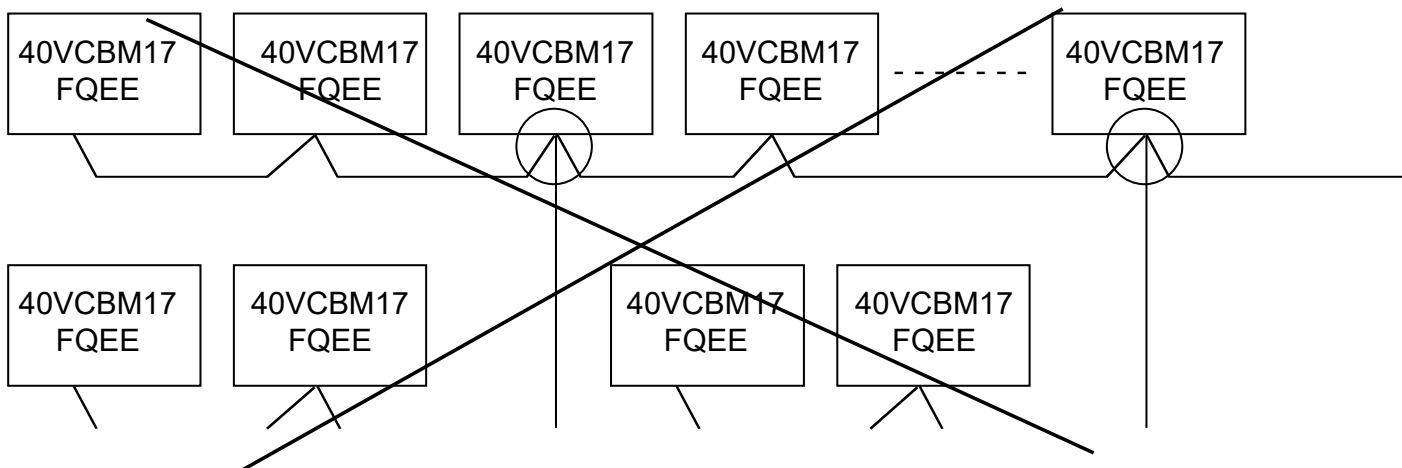
2. Câbles de communication :

Les câbles de liaison du 40VCBM17FQEE doivent avoir deux polarités et une connexion en boucle.



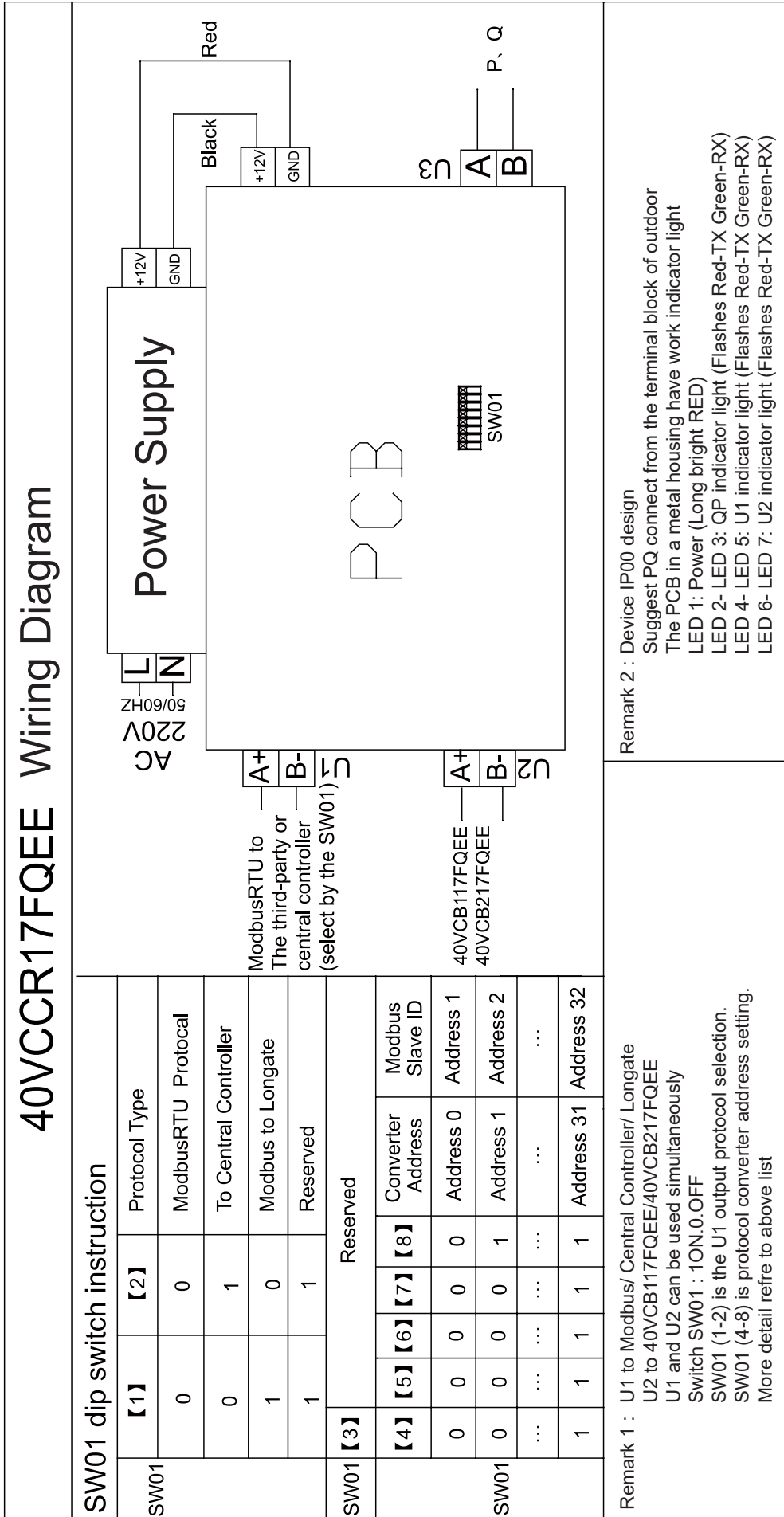
Avertissement :

Les raccordements suivants (interconnexion) ne sont pas autorisés :



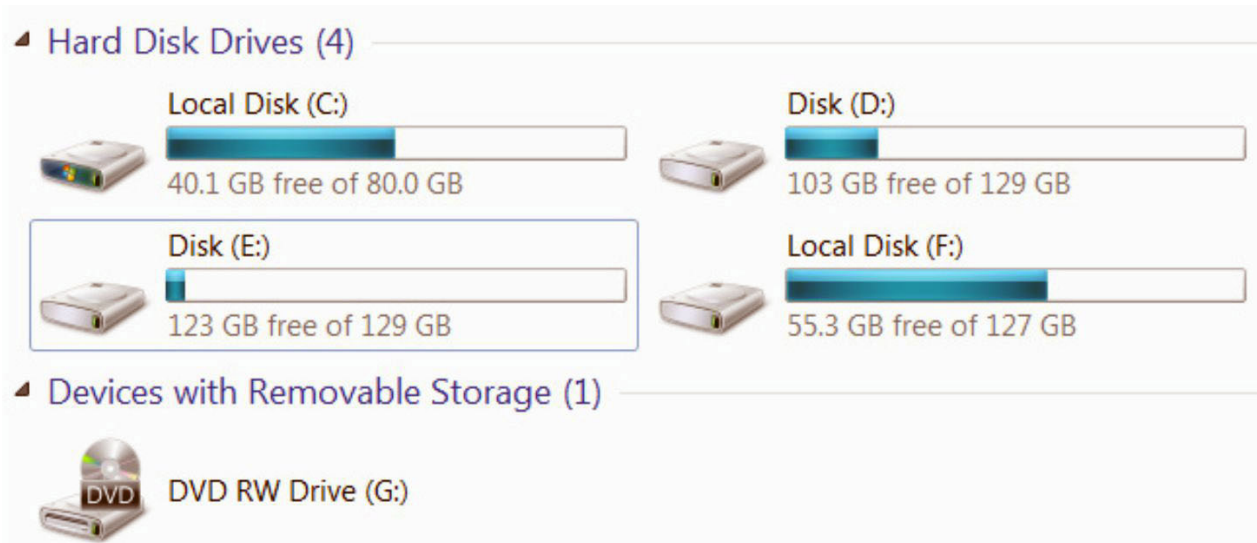
Remarques :

- (1) Les câbles de communication entre le 40VCBM17FQEE et le 40VCBM17FQEE doivent avoir deux âmes, être blindés et raccordés à la terre.
 - (2) Utilisez une gaine métallique pour l'installation des câbles de communication. Installez séparément les câbles de communication et les câbles d'alimentation électrique.
 - (3) Les câbles de communication sont sensibles à la polarité.
 - (4) La longueur totale du câble de communication ne doit pas excéder 500 m.
-
3. Utilisez au maximum 40 groupes d'unités intérieures pour chaque système extérieur.
 4. Pour utiliser le 40VCBM17FQEE, réglez les adresses des unités intérieures en partant de l'unité 0 jusqu'à la dernière unité de chaque système d'unités extérieures. L'adresse intérieure et extérieure (sw03) et l'adresse centrale (sw02) d'une même unité intérieure doivent être conservées à l'identique.
 5. Les câbles de liaisons entre les unités intérieures et extérieures, les câbles entre deux passerelles et le câble d'impulsion doivent être éloignés d'une distance d'au moins 20 cm des composants électriques de forte puissance.



Installer la base de données

1. Insérez le disque dans le lecteur de CD-ROM. Double-cliquez sur l'icône (comme illustré)



2. Le disque comprend plusieurs pilotes pour différents systèmes informatiques

Name	Date modified	Type
Linux x64 (64-bit)	2016/4/19 16:36	File folder
Linux x86 (32-bit)	2016/4/19 16:36	File folder
Linux x86_64	2016/4/19 16:36	File folder
Mac OS 8 9	2016/4/19 16:36	File folder
Mac OS X 10.9 and above	2016/4/19 16:36	File folder
uninstall software	2016/4/19 16:36	File folder
win xp server2003 2008 2012 Vista 7 8 8.1 10 32-64bit	2016/4/19 16:36	File folder
win98 ME	2016/4/19 16:36	File folder
Date created: 2016/10/9 17:28 Size: 656 KB Folders: 232, 2232	2016/4/19 16:36	File folder
Windows CE 4.2-5.2 Mobile 5 6 PocketPC 2003 ARM XScale Processor	2016/4/19 16:36	File folder
Windows CE 6.0 ARM XScale Processor	2016/4/19 16:36	File folder
Windows CE 6.0 x86 Processor	2016/4/19 16:36	File folder
Windows CE 2013	2016/4/19 16:36	File folder
LINUX README.txt	2016/4/19 16:36	Text Document

3. Choisissez le pilote qui correspond à votre ordinateur. Par ex, win7 32 bits. Double-cliquez

win xp server2003 2008 2012 Vista 7 8 8.1 10 32-64bit	2016/4/19 16:36	File folder
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La fenêtre suivante s'affiche à l'écran

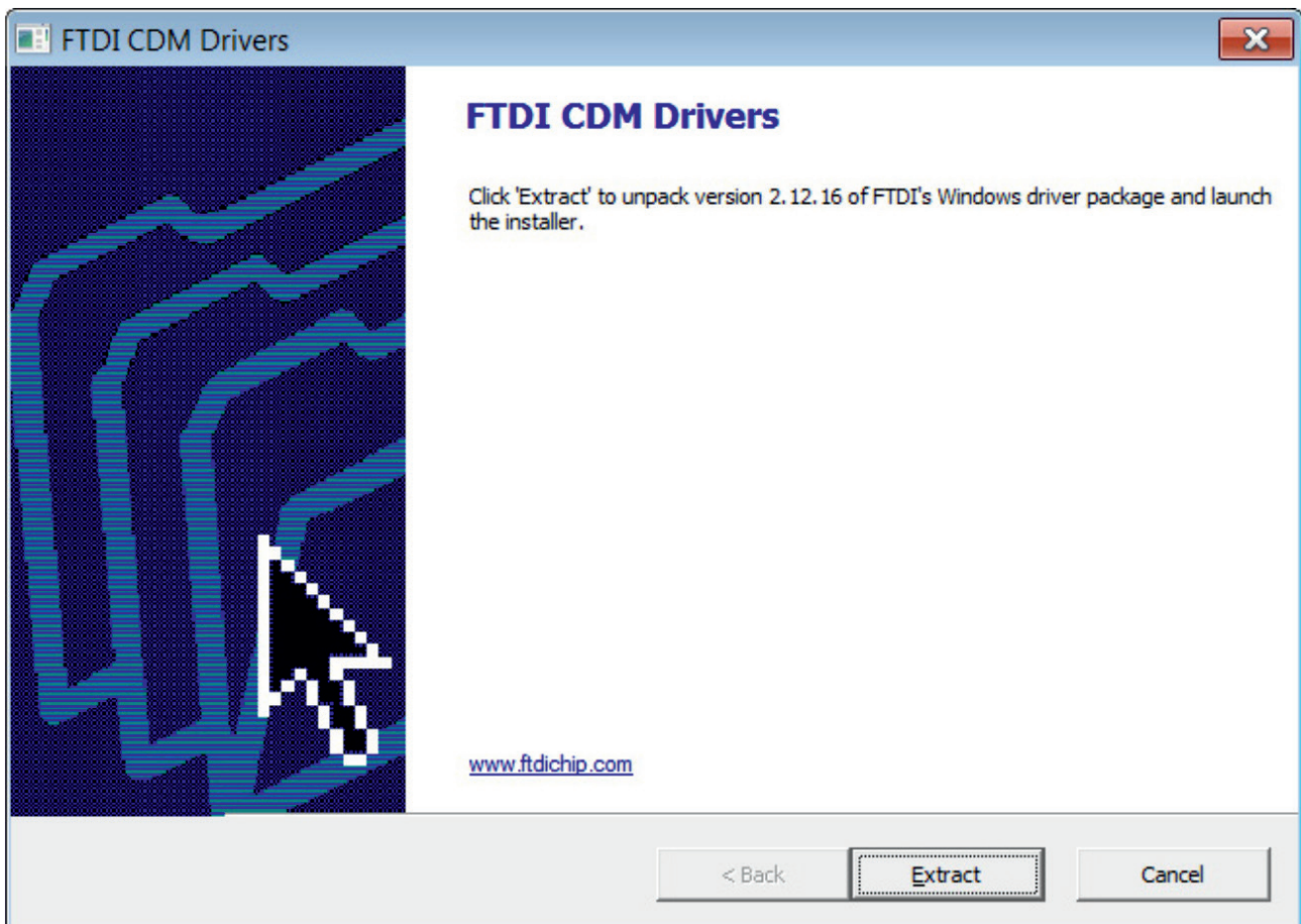
amd64	2016/4/19 16:36	File folder	
i386	2016/4/19 16:36	File folder	
Static	2016/4/19 16:36	File folder	
CDM 2 12 16 Release Info.rtf	2016/4/19 16:36	RTF 格式	216 KB
CDM v2.12.16 WHQL Certified.zip	2016/4/19 16:36	好压 ZIP 压缩文件	1,322 KB
CDM21216_Setup.exe	2016/4/19 16:36	Application	2,075 KB
CDM21216_Setup.rar	2016/4/19 16:36	好压 RAR 压缩文件	2,021 KB
ftd2xx.h	2016/4/19 16:36	H File	40 KB
ftdibus.cat	2016/4/19 16:36	Security Catalog	15 KB
ftdibus.inf	2016/4/19 16:36	Setup Information	18 KB
ftdiport.cat	2016/4/19 16:36	Security Catalog	14 KB
ftdiport.inf	2016/4/19 16:36	Setup Information	15 KB

Type: Security Catalog
Size: 13.3 KB

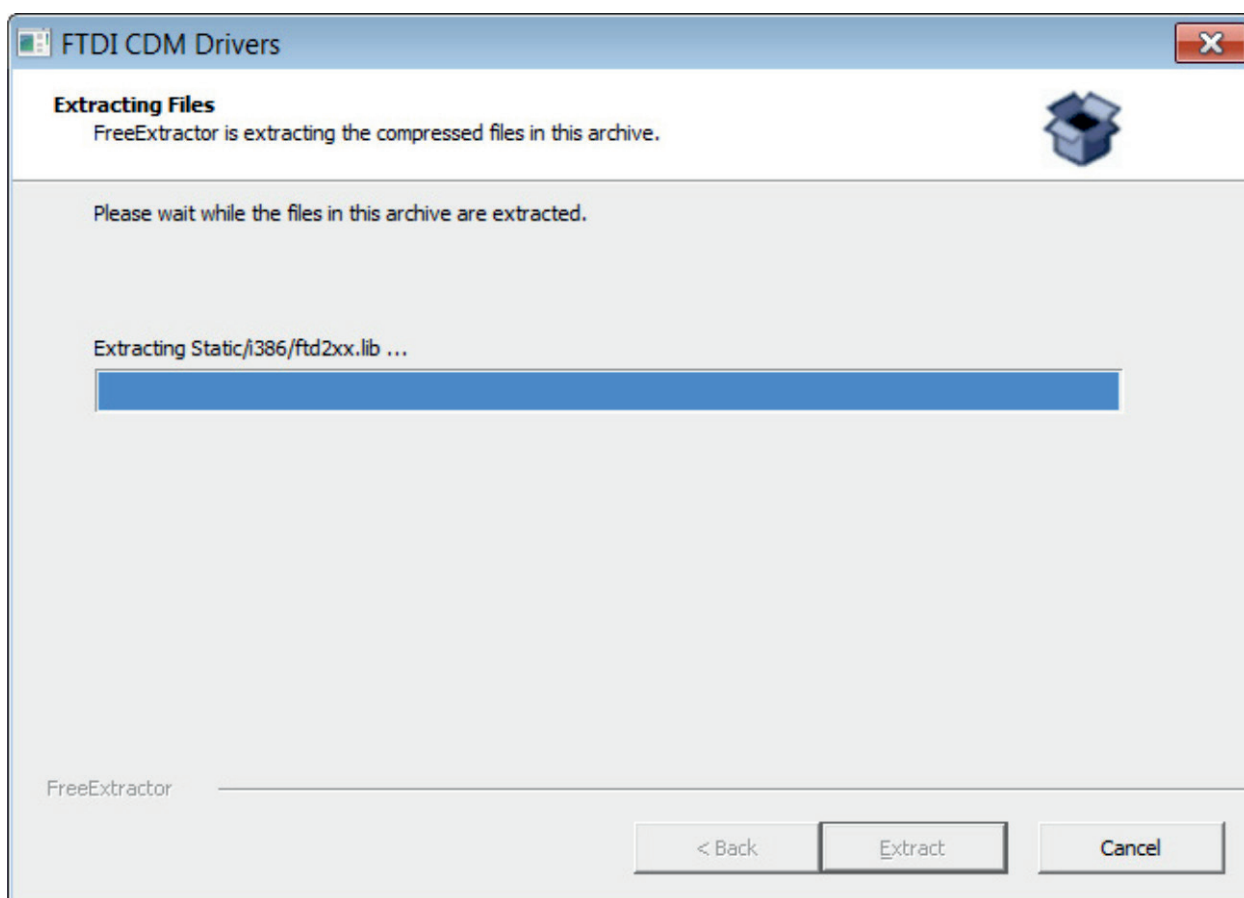
4. Double-cliquez sur

CDM21216_Setup.exe	2016/4/19 16:36	Application	2,075 KB
---------------------------	-----------------	-------------	----------

5. L'assistant d'installation comprend plusieurs étapes. Cliquez sur le bouton « Extract »



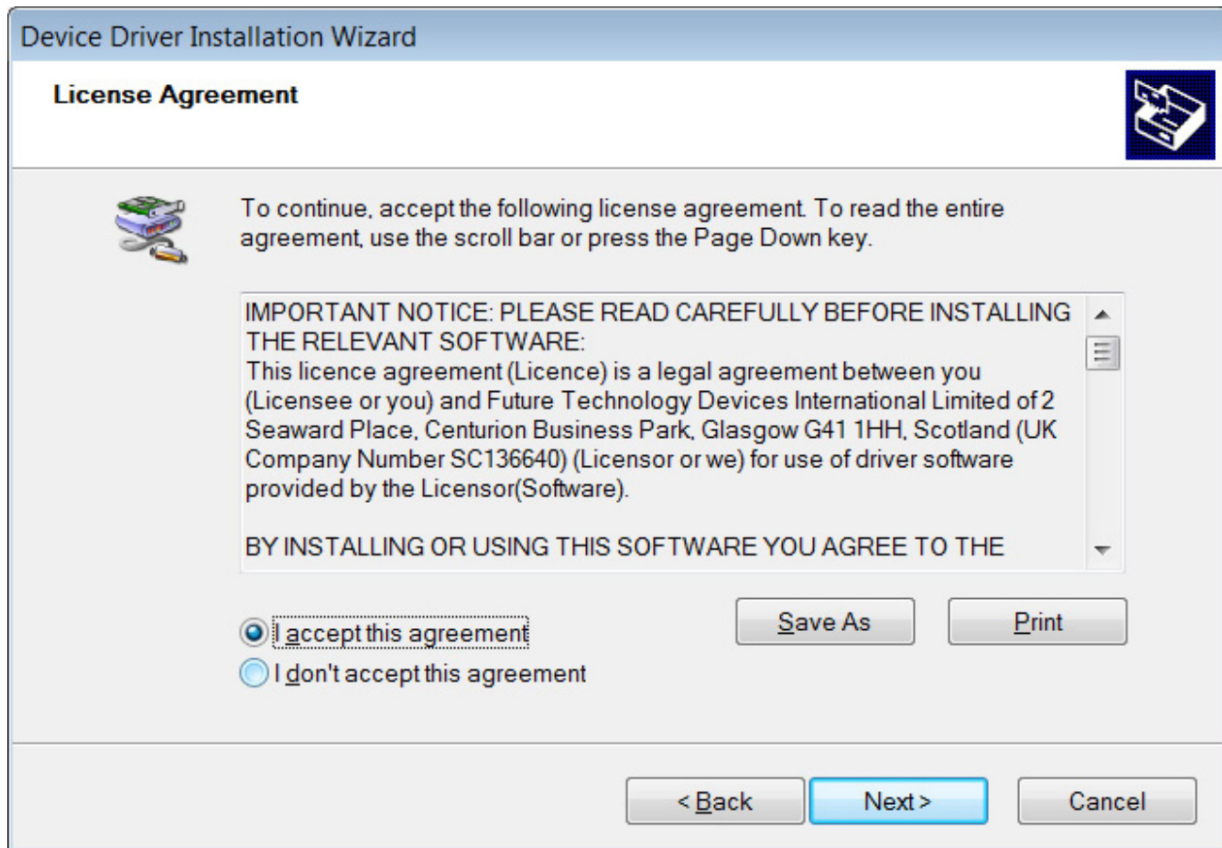
6. L'installation du pilote est en cours.



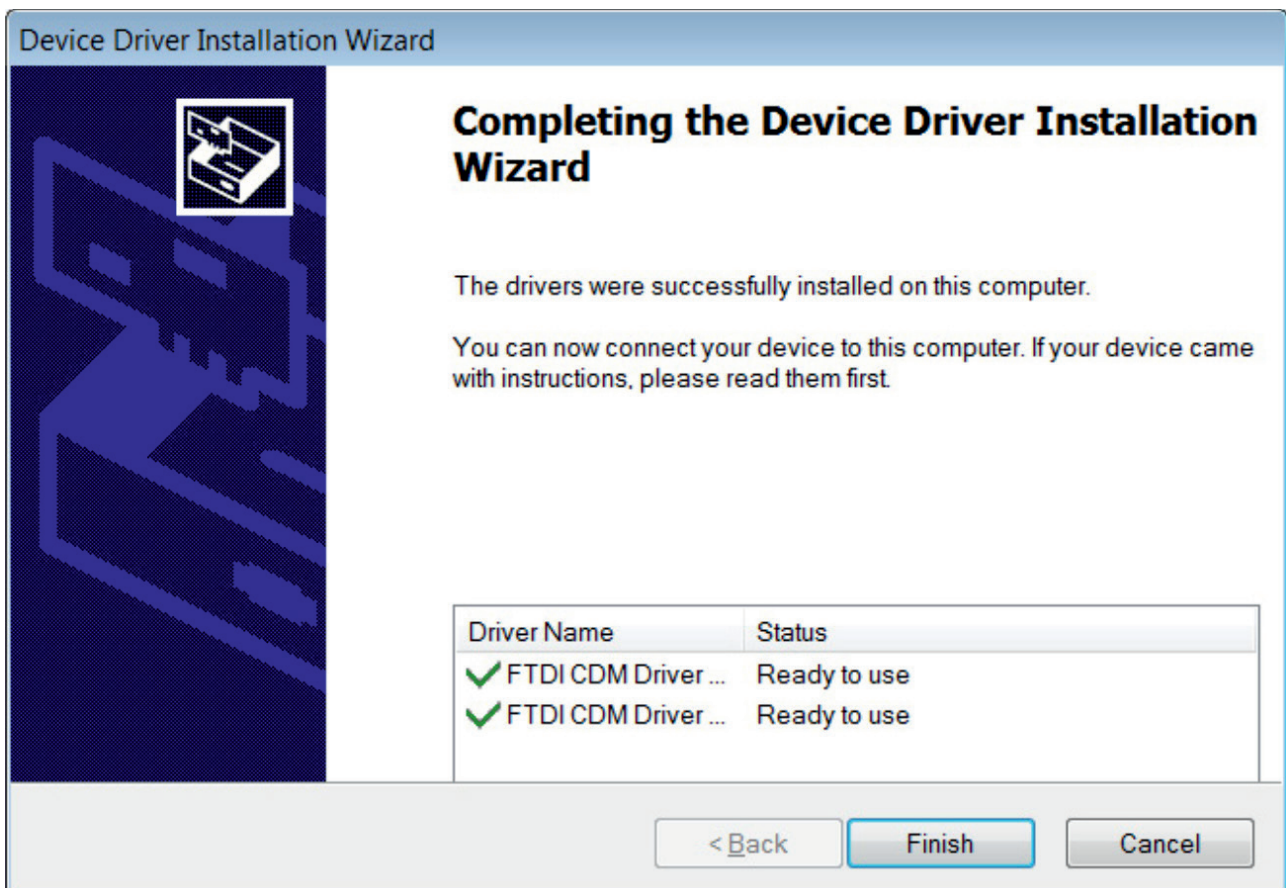
7. Cliquez sur l'onglet « Next » (suivant)



8. Cliquez sur acept this agreement puis sur le bouton « Next ».

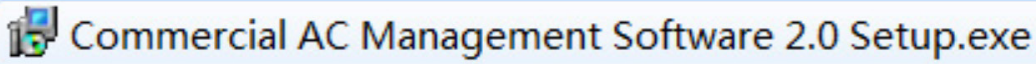


9. Cliquez sur le bouton « Finish » (quitter) lorsque le pilote est installé.

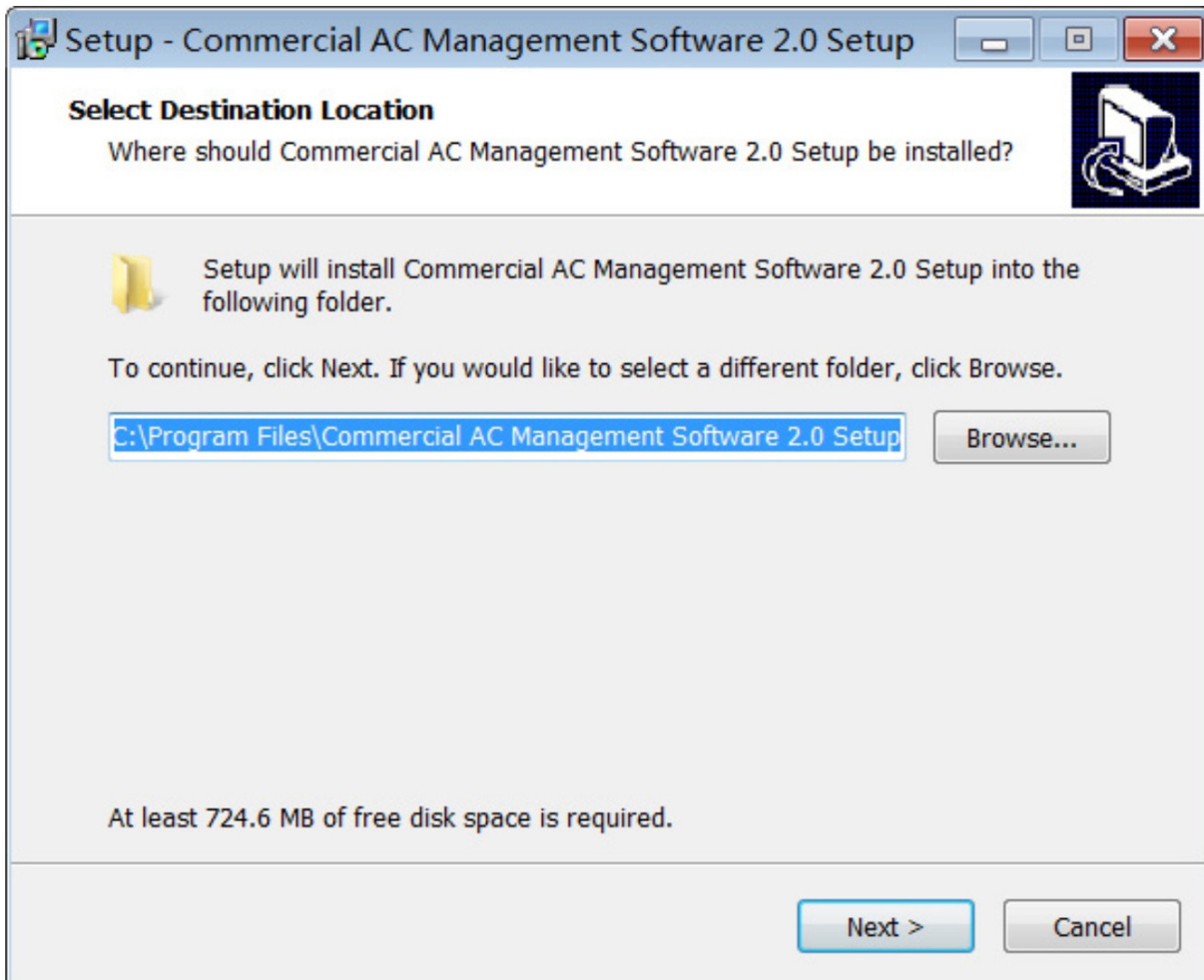


Installation et démarrage du logiciel d'exploitation

1. Installation du logiciel d'exploitation

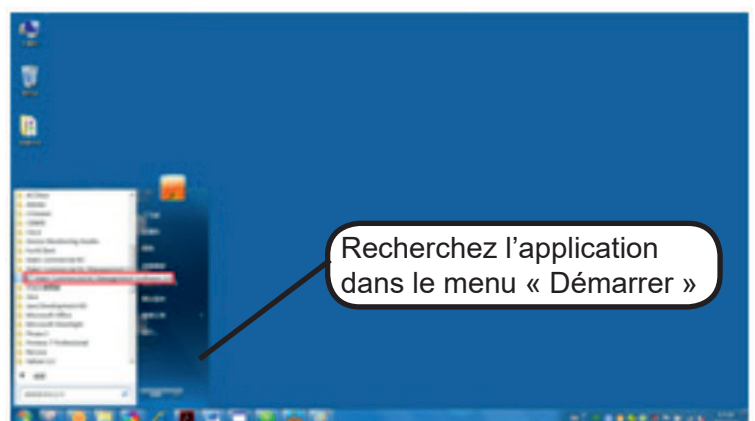
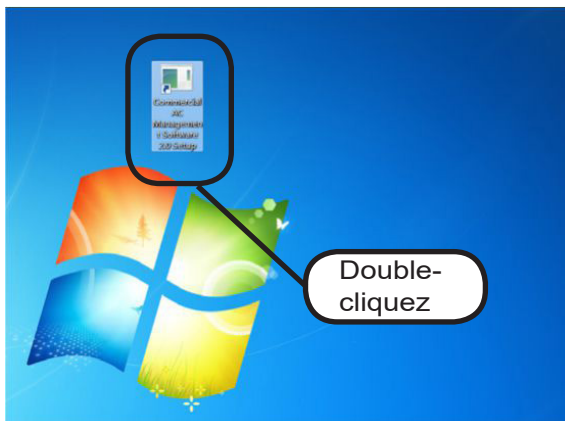


Double-cliquez pour démarrer l'installation, puis cliquez sur le bouton « Next » pour terminer l'installation.

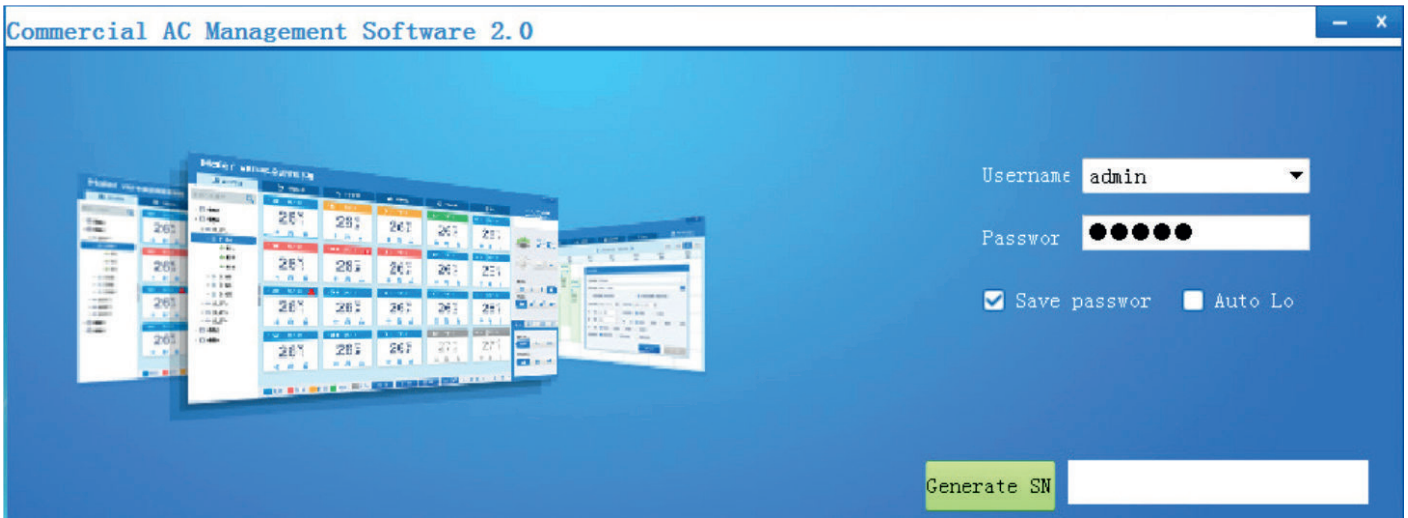


2. Démarrage de l'installation

Double-cliquez sur l'icône « Commercial AC Management Software 2.0 » sur le bureau, ou choisissez « Commercial AC Management Software 2.0 » dans le menu « Démarrer » (ou start en anglais).



Vous devez vous enregistrer lors de la première utilisation du logiciel.

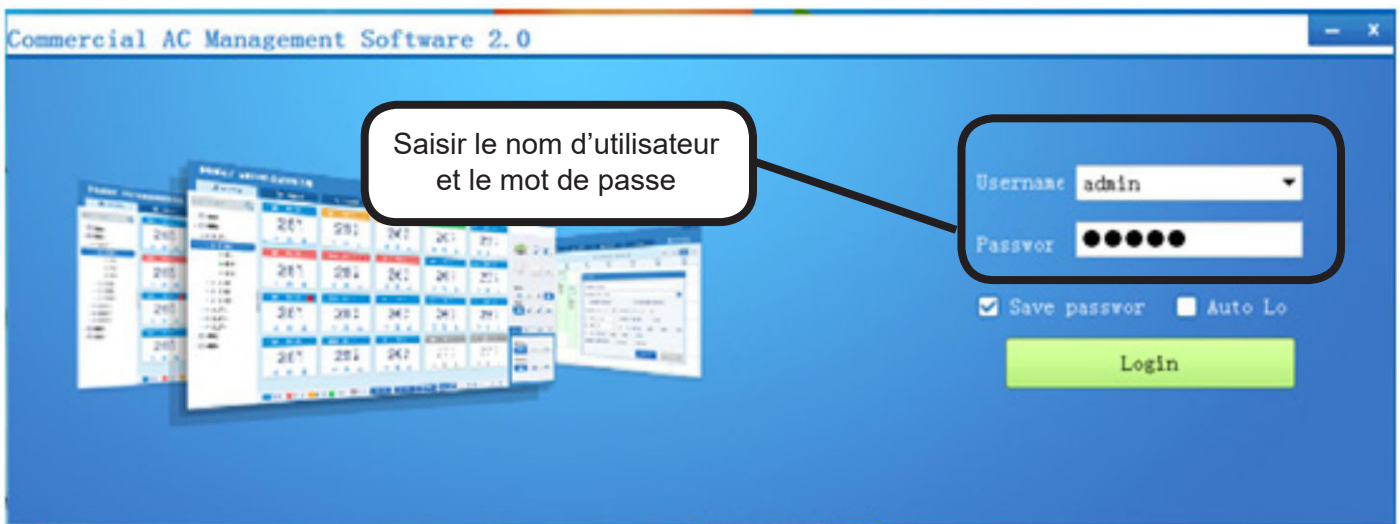


Cliquez sur « Generate SN » pour générer le numéro de série (SN) et envoyer le SN au technicien pour obtenir le fichier « license.dat ». Lorsque vous aurez reçu le fichier « license.dat », copiez-le dans le répertoire d'installation en écrasant le fichier « licence.dat » existant. Quittez le logiciel et redémarrez pour pouvoir l'utiliser.

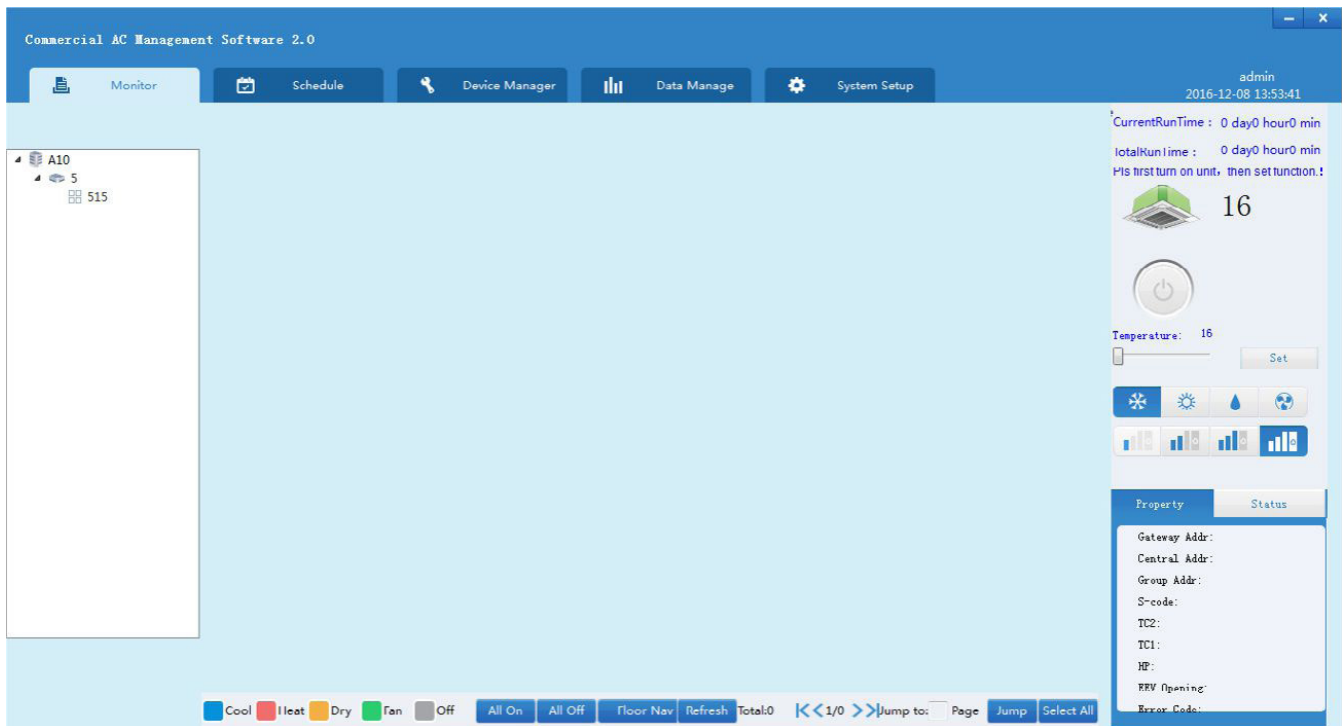
Saisissez votre nom d'utilisateur et votre mot de passe dans la fenêtre de connexion.

Nom d'utilisateur : admin (par défaut)

Mot de passe : 12345 (par défaut)



Après avoir saisi le nom d'utilisateur et le mot de passe, cliquez sur « Login » pour afficher l'interface principale (comme illustré ci-après)



3. Quitter le logiciel

Pour éteindre l'ordinateur, vous pouvez procéder de deux manières différentes :

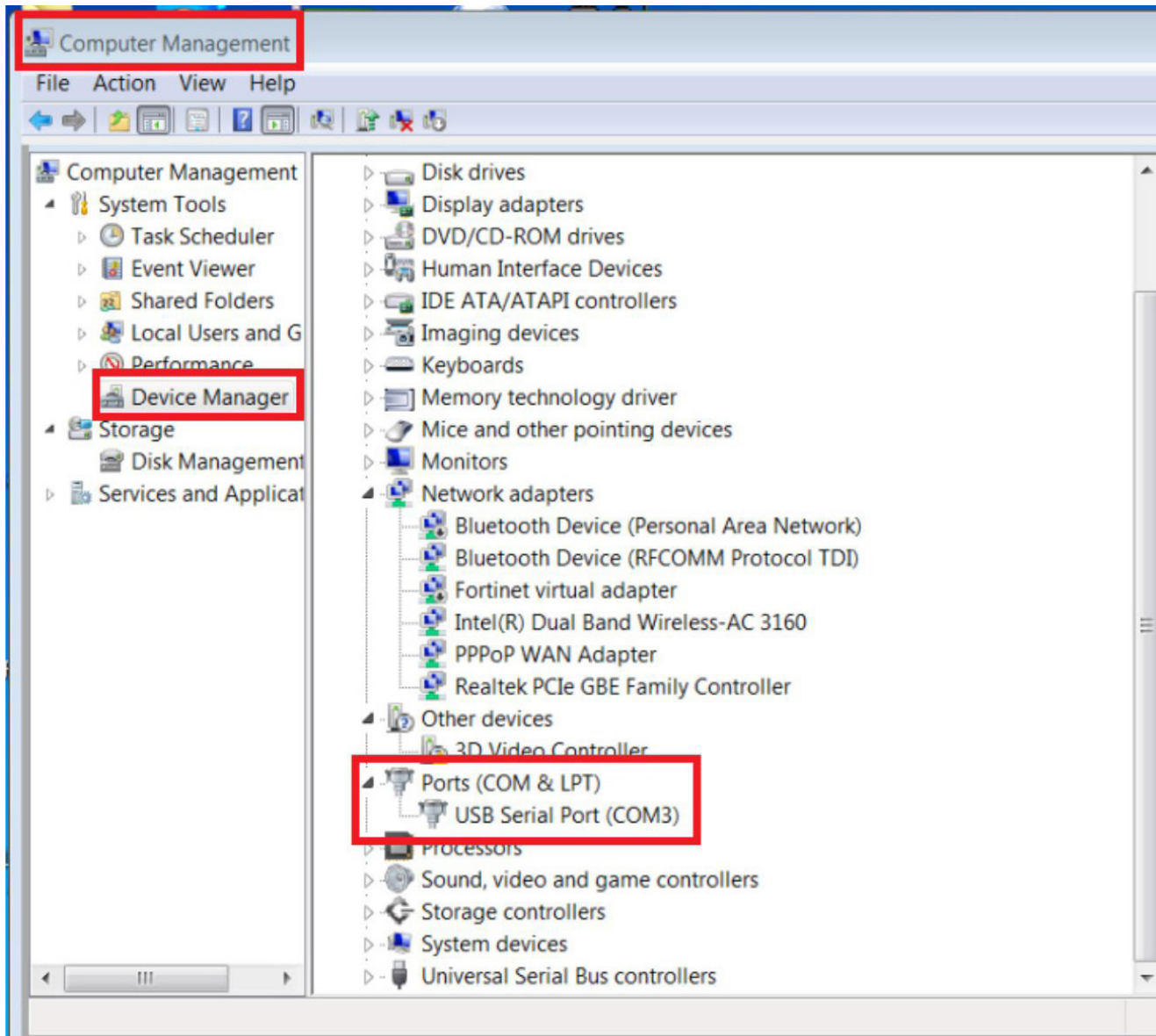
- ① Quittez le logiciel « Commercial AC Management Software 2.0 »,
- ② puis arrêtez Windows

Cliquez sur le « X » dans le coin supérieur droit de la fenêtre de la page principale et arrêtez Window



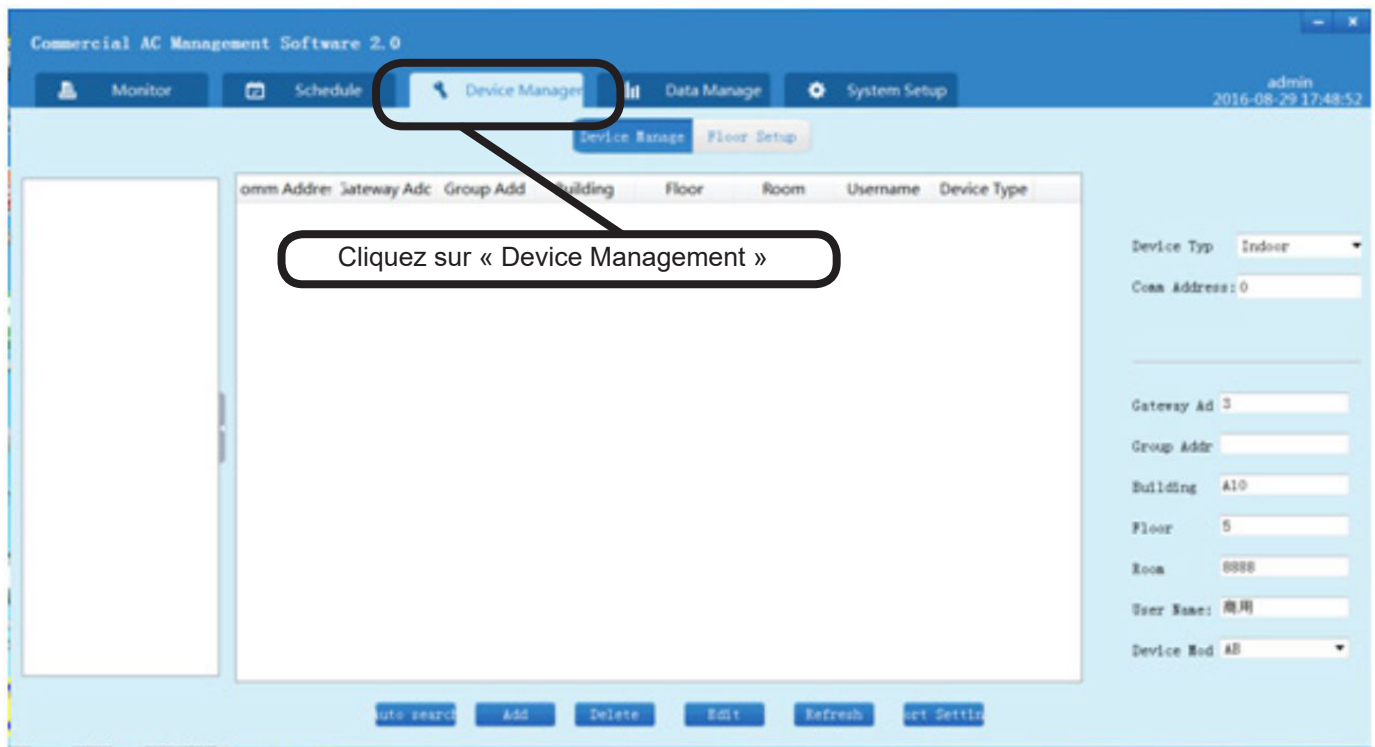
Réglage du port de communication

1. Réglez le numéro de port après avoir identifié le port connecté en consultant le Gestionnaire de périphériques (Device Manager en anglais).

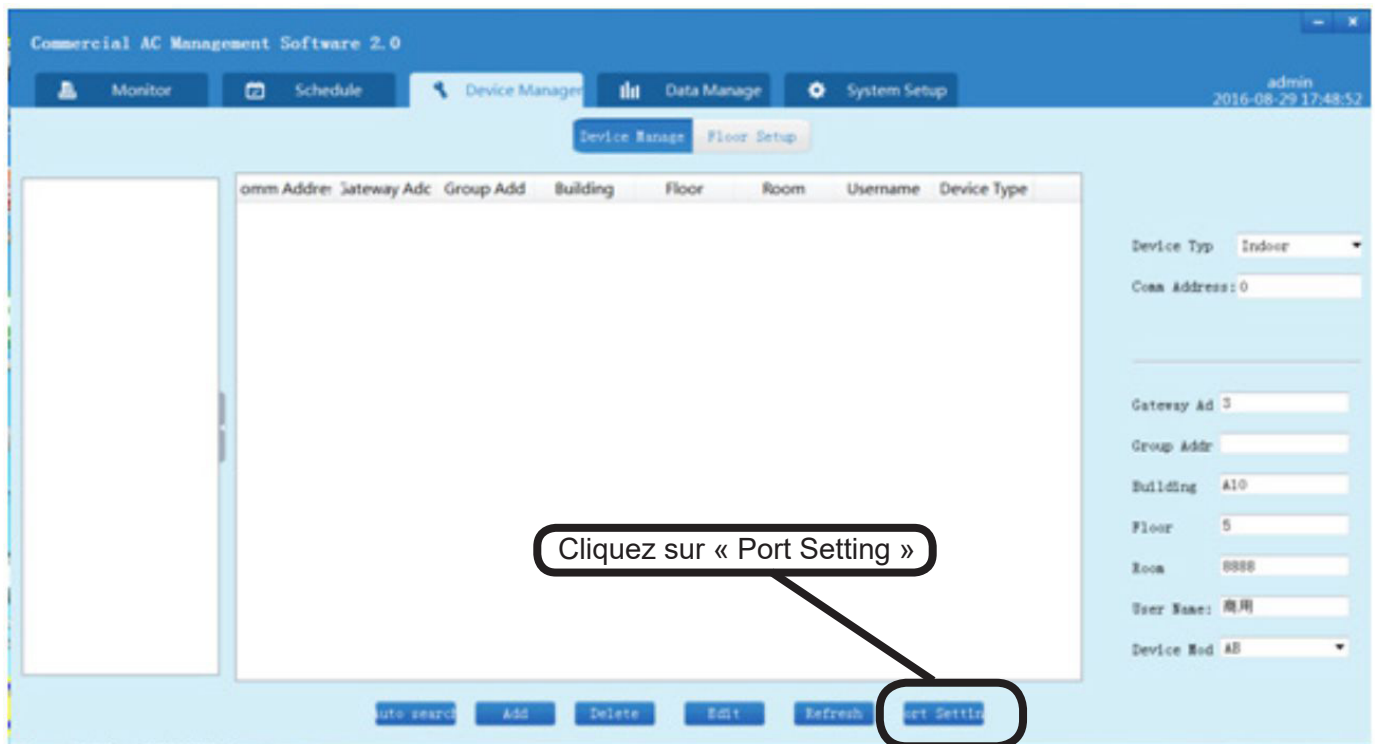


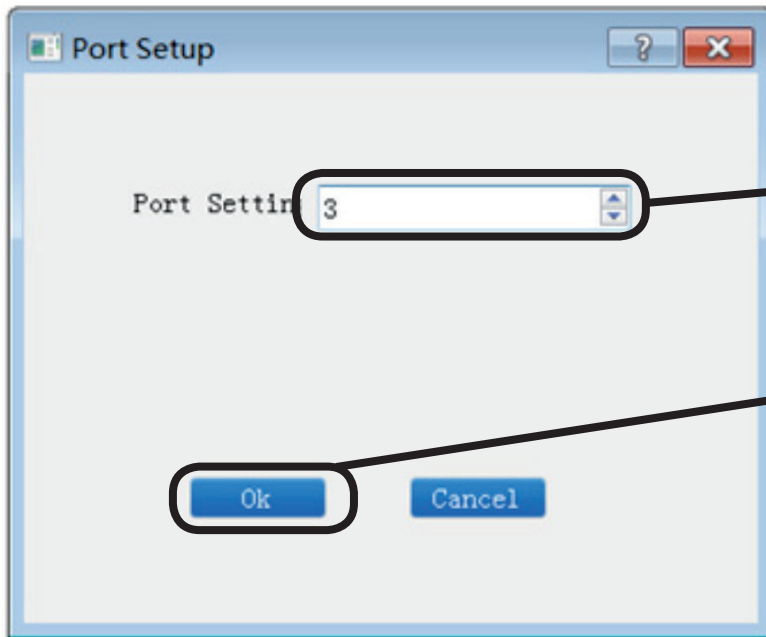
Dans l'illustration ci-dessus, le port connecté est le COM3. Le numéro de port sera donc 3.

2. Cliquez sur l'onglet « Device Management ».



3. Cliquez sur le bouton « Port Setting » (réglage du port) en bas à droite.

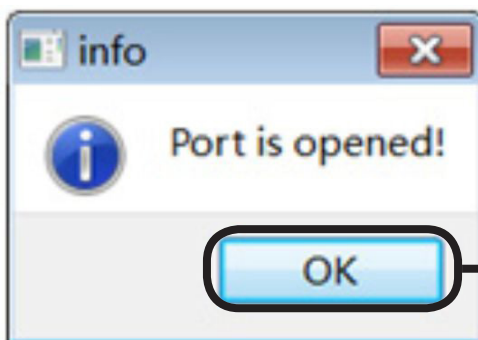




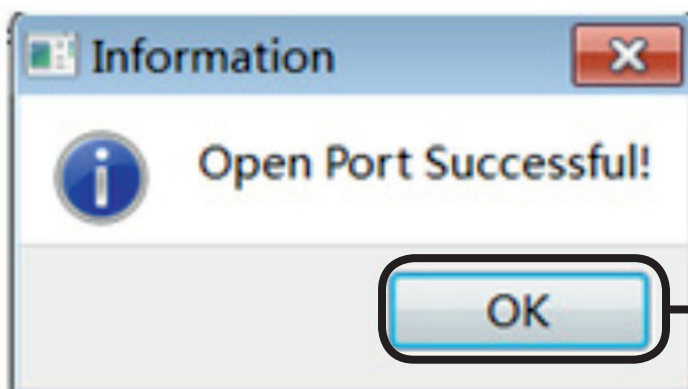
Entrez le numéro du port.
Si COM3, saisissez 3 comme numéro

Cliquez sur « OK » pour valider ou
« Cancel » pour abandonner le réglage.

4. Saisissez le numéro de port dans la boîte de dialogue. Par exemple, si le port est COM3, saisissez le numéro 3. Cliquez sur « OK ». Une boîte de dialogue s'ouvre à l'écran pour indiquer que le port série est ouvert. Cliquez sur « OK ». Une boîte de dialogue s'affiche à l'écran après 3 s pour indiquer que l'ouverture du port s'est terminée avec succès. Cliquez sur « OK » pour terminer le réglage du port.

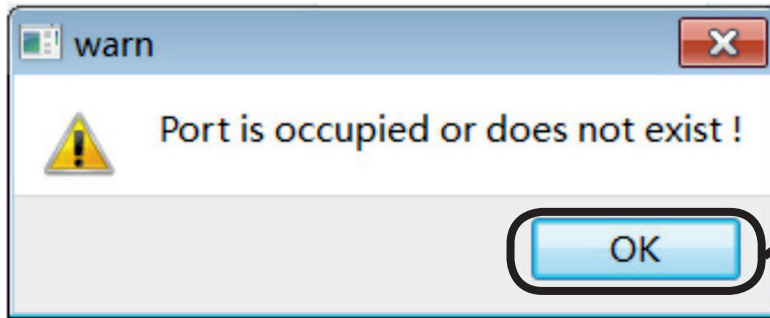


Cliquez sur « OK ». Attendez
après la fermeture de la fenêtre.



Cliquez sur « OK ». Une fois
la fenêtre fermée, vous pouvez
continuer à utiliser le logiciel.

5. Si le réglage du port est incorrect, une boîte de dialogue s'ouvre pour indiquer que le port est occupé ou qu'il n'existe pas. Procédez à un nouveau réglage.

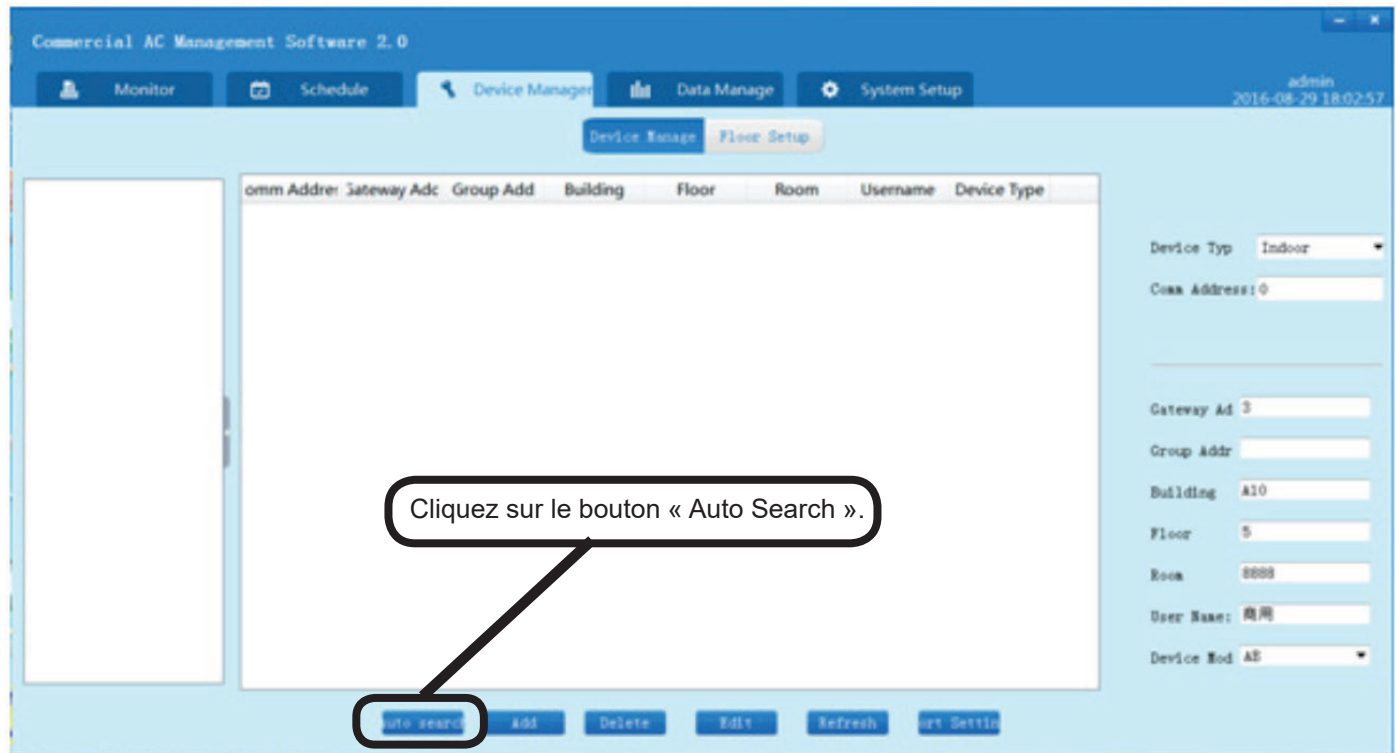


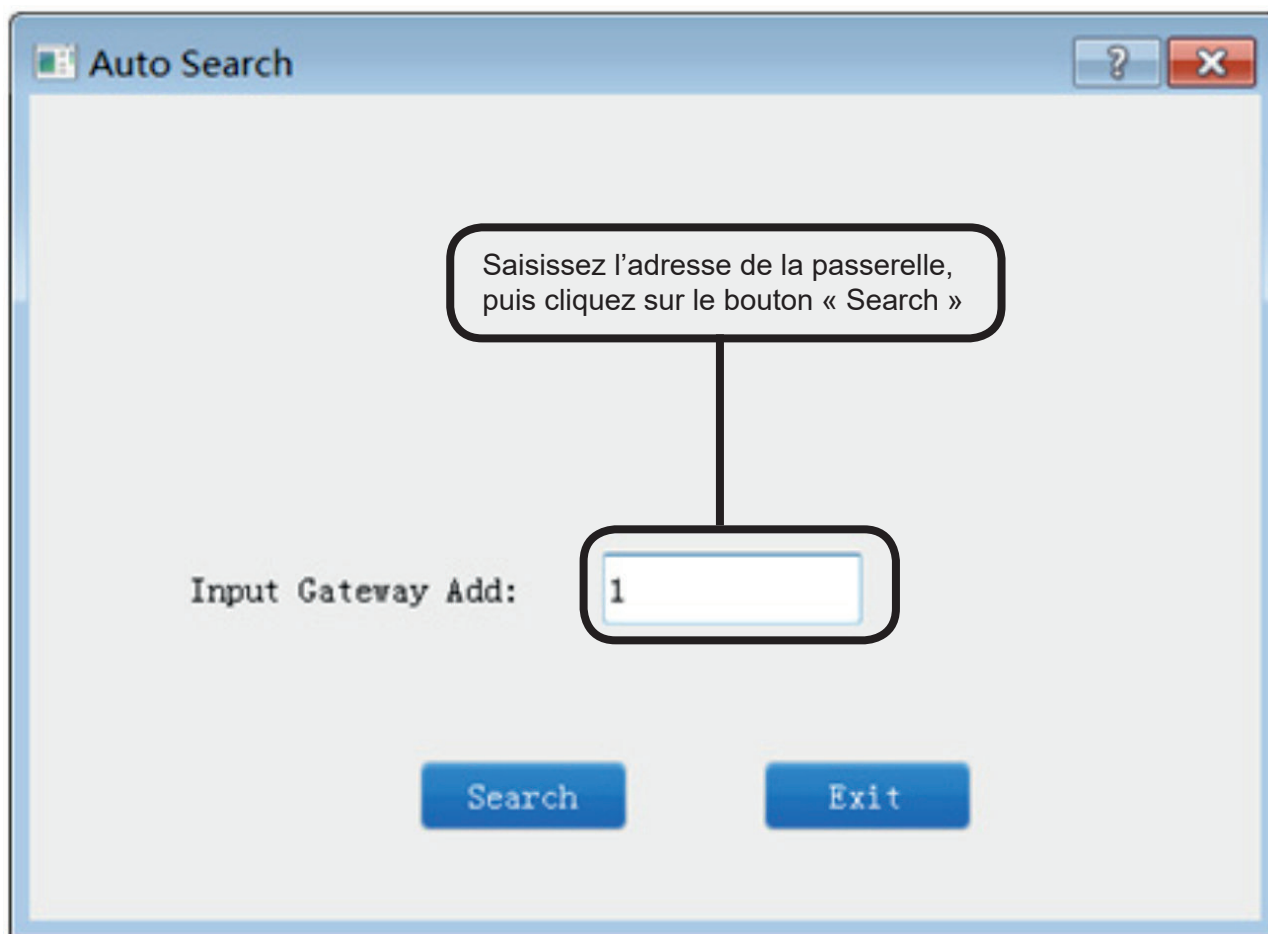
Cliquez sur « OK » pour modifier le port. Vérifiez que le numéro de port est correct. Puis redémarrez l'ordinateur lorsque vous utilisez l'outil de port série pour la première fois.

Ajouter/supprimer un dispositif

1. Ajout d'un dispositif par recherche automatique

(a) Cliquez sur le bouton « Auto Search » (recherche automatique).



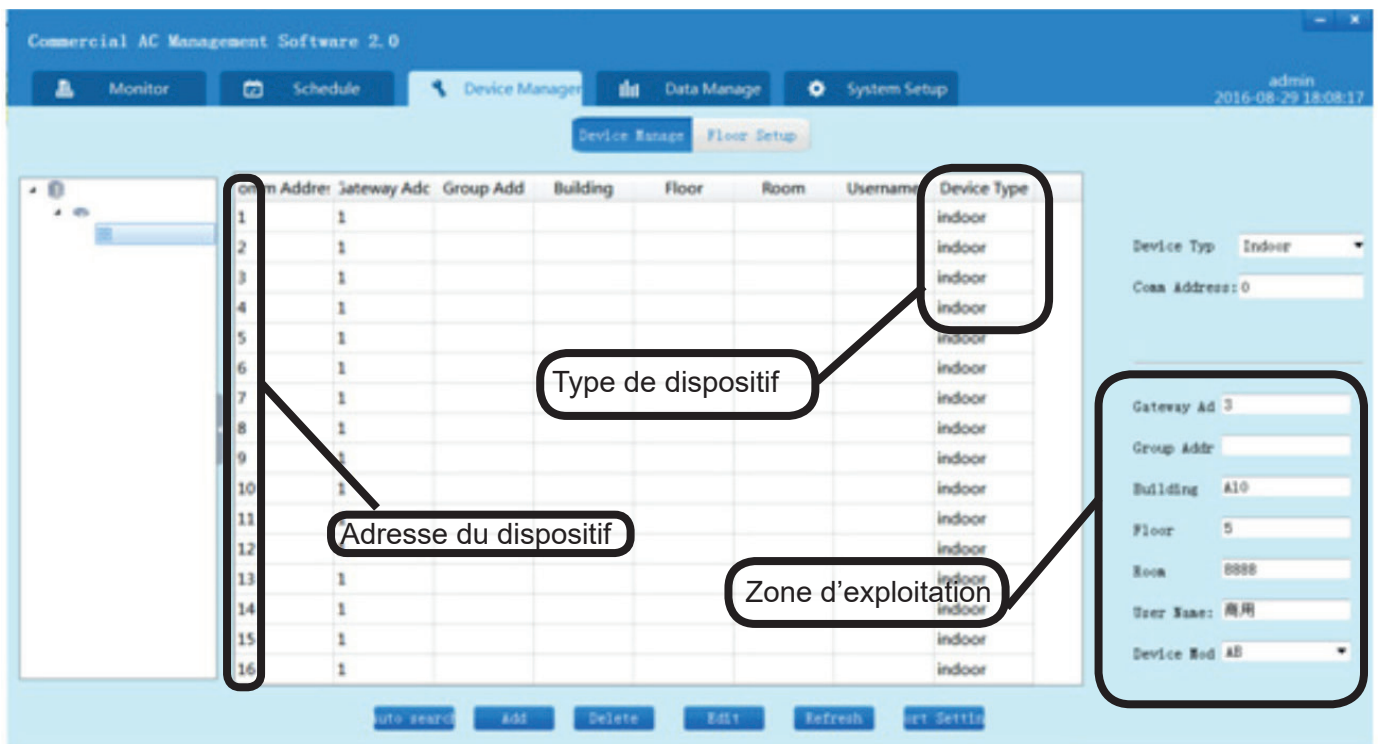


(b) Saisissez l'adresse de la passerelle (de 0 à 31) dans la boîte de dialogue, puis cliquez sur « Search » (rechercher)

À la fin de la recherche, le message « Search OK » s'affiche à l'écran.
Cliquez sur « Exit » pour fermer la boîte de dialogue



(c) Le tableau du gestionnaire de dispositifs affiche les informations suivantes sur les unités intérieures : Adresse Comm, adresse de la passerelle et type de dispositif. Vous pouvez ajouter des informations supplémentaires dans le formulaire à droite du tableau.



(d) Ajout d'information sur l'unité intérieure

Cliquez sur l'unité intérieure à laquelle vous souhaitez ajouter des informations supplémentaires.

The screenshot shows the 'Commercial AC Management Software 2.0' interface. At the top, there are navigation tabs: Monitor, Schedule, Device Manager, Data Manage, and System Setup. The 'Device Manager' tab is active, showing a 'Device Usage' section with a table of indoor units. The table has columns: Comm Addr, Gateway Ad, Group Addr, Building, Floor, Room, Username, and Device Type. The first column contains values from 1 to 16, and the last column contains 'indoor'. Below the table are buttons: Auto Search, Add, Delete, Edit, Refresh, and Sort Settings. To the right of the table is a configuration form for an indoor unit. The form includes: Device Typ (Indoor), Comm Address (1), Gateway Ad (1), Group Addr, Building, Floor, Room, User Name, and Device Mod (AB). Three callouts are present: 1. 'Sélectionnez l'unité int.' pointing to the first row of the table. 2. 'Ajouter l'information' pointing to the configuration form. 3. 'Cliquez sur « Edit » pour modifier l'information' pointing to the Edit button.

This section provides a detailed view of the configuration form for an indoor unit, with callouts explaining the fields:

- Device Typ:** Indoor (dropdown menu)
- Comm Address:** 1 (text input)
- Gateway Ad:** 1 (text input)
- Group Addr:** 0 (text input)
- Building:** A10 (text input)
- Floor:** 5 (text input)
- Room:** 511 (text input)
- User Name:** TEST (text input)
- Device Mod:** AB (dropdown menu)

Callouts and their explanations:

- Si vous ajoutez un nouvel appareil, saisissez manuellement le modèle, l'adresse de l'unité intérieure et l'adresse de la passerelle. Les adresses d'unité et de passerelle existantes ne sont pas modifiables.
- Le champ est vide ou affiche 0 : il s'agit de l'unité maître d'un groupe filaire avec 1 à 15 adresses esclaves. Vous ne pouvez pas contrôler les unités esclaves.
- Emplacement du climatiseur défini par l'utilisateur
- Nom du climatiseur défini par l'utilisateur
- Modèle de l'unité int. (gainable, mural, cassette, convertible)

Ajout d'informations sur l'unité intérieure

Adresse de groupe : si vous utilisez une commande filaire pour contrôler plusieurs unités intérieures, l'adresse principale est 0 et les adresses esclaves sont définies entre 1 et 15.

Bâtiment : le bâtiment où l'unité intérieure est installée.

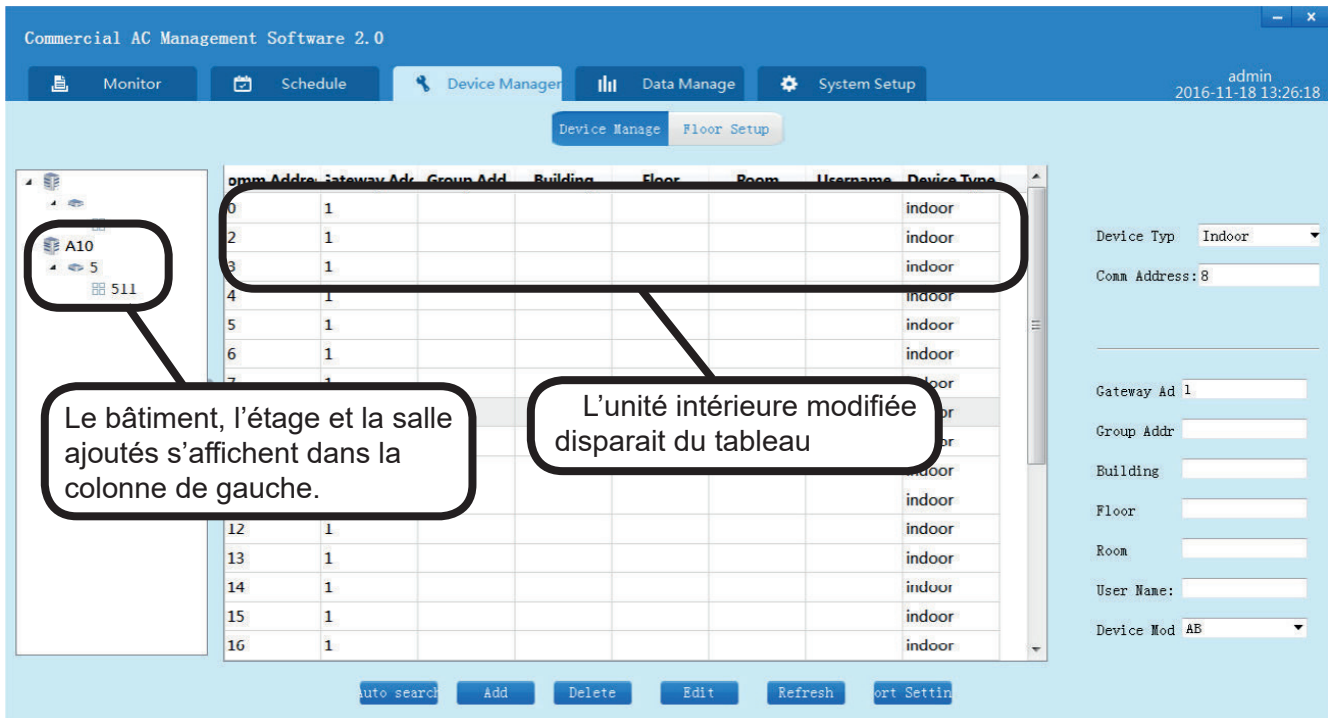
Étage : l'étage spécifique où l'unité intérieure est installée.

Salle : la salle où l'unité intérieure est installée.

Nom d'utilisateur : l'utilisateur de l'unité intérieure.

Modèle : le modèle de l'unité intérieure (AB : cassette ; AC : convertible ; AD : gainable ; AS : mural)

(e) Cliquez sur « Edit » pour terminer l'ajout des informations. Les informations de l'unité intérieure seront mises à jour dans le tableau des unités intérieures. Les informations sur le bâtiment, l'étage et la salle sont visibles sur la gauche de la fenêtre.



Commercial AC Management Software 2.0

Monitor Schedule Device Manager Data Manage System Setup

admin 2016-11-18 13:26:18

Device Manage Floor Setup

Comm Adr	Gateway Adc	Group Adc	Building	Floor	Room	Username	Device Type
0	1						indoor
2	1						indoor
3	1						indoor
4	1						indoor
5	1						indoor
6	1						indoor
7	1						indoor
12	1						indoor
13	1						indoor
14	1						indoor
15	1						indoor
16	1						indoor

Le bâtiment, l'étage et la salle ajoutés s'affichent dans la colonne de gauche.

L'unité intérieure modifiée disparaît du tableau

Device Type: Indoor

Comm Address: 8

Gateway Ad: 1

Group Adc:

Building:

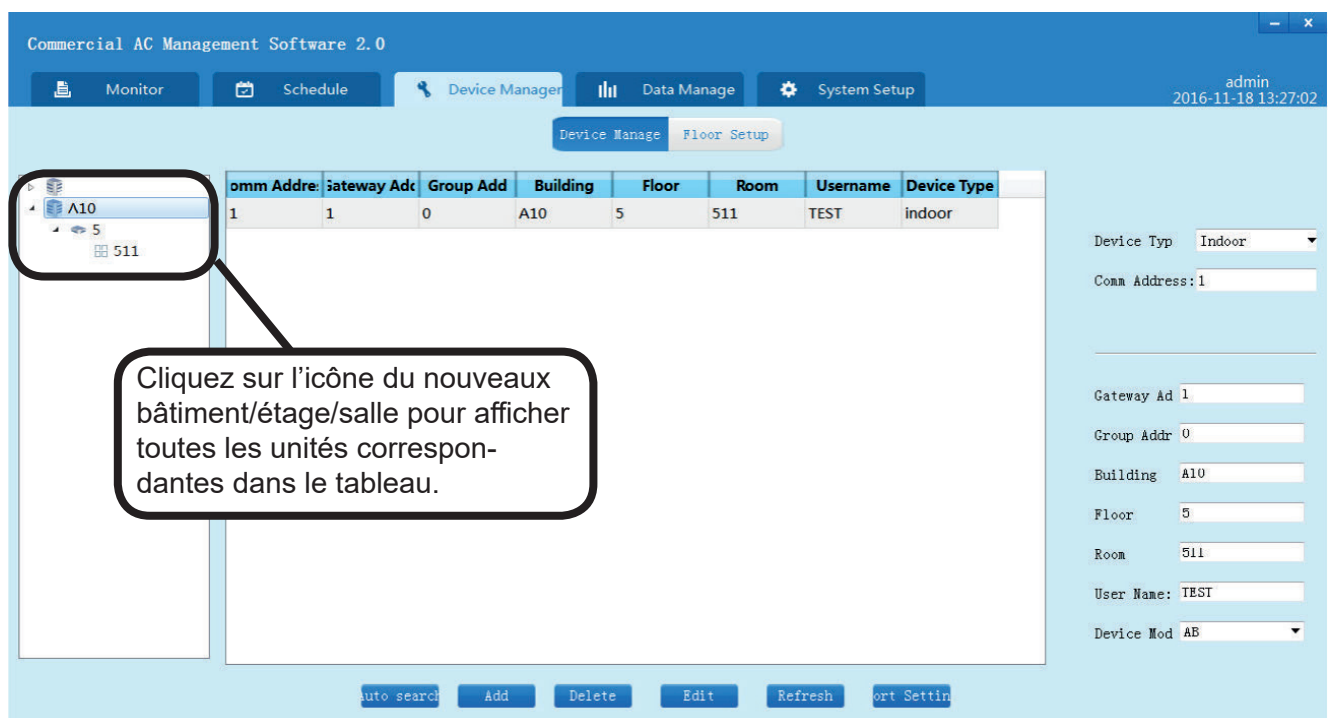
Floor:

Room:

User Name:

Device Mod: AB

Auto search Add Delete Edit Refresh Sort Setting



Commercial AC Management Software 2.0

Monitor Schedule Device Manager Data Manage System Setup

admin 2016-11-18 13:27:02

Device Manage Floor Setup

Comm Adr	Gateway Adc	Group Adc	Building	Floor	Room	Username	Device Type
1	1	0	A10	5	511	TEST	indoor

Cliquez sur l'icône du nouveau bâtiment/étage/salle pour afficher toutes les unités correspondantes dans le tableau.

Device Type: Indoor

Comm Address: 1

Gateway Ad: 1

Group Adc: 0

Building: A10

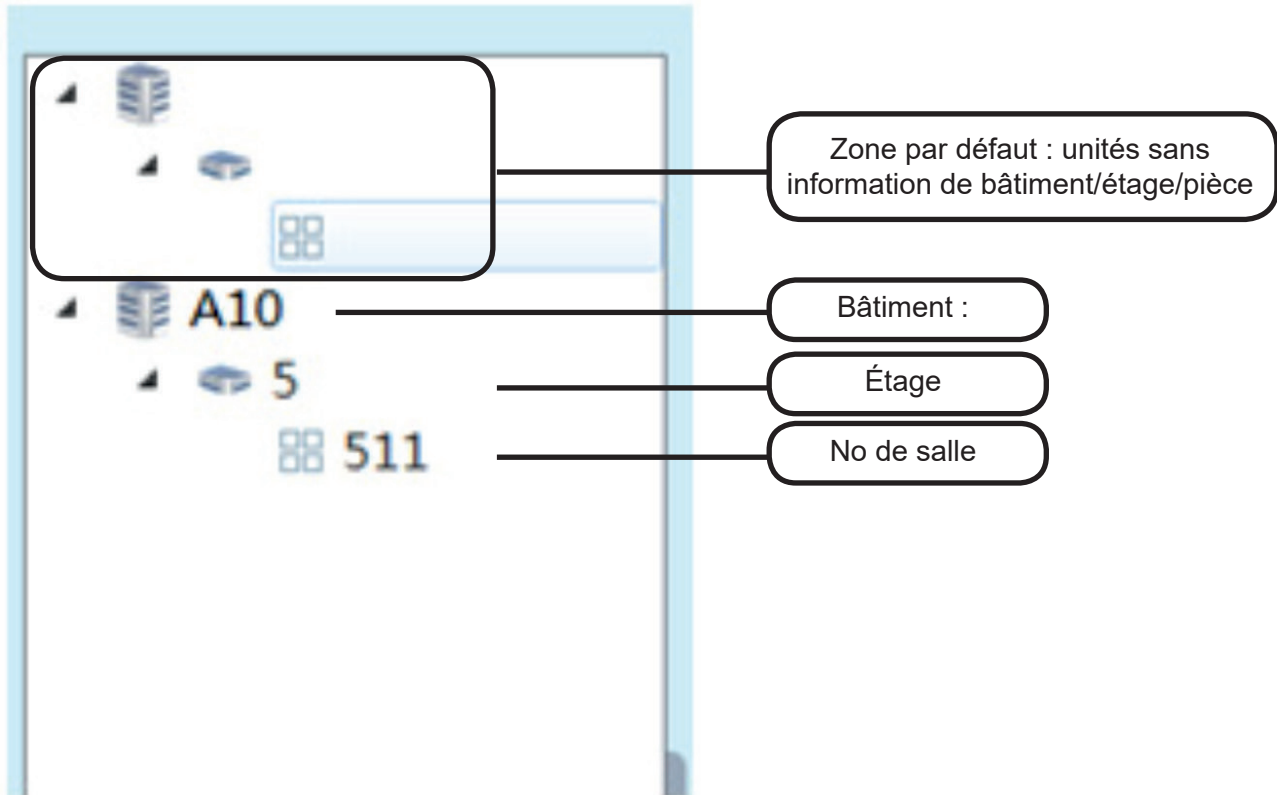
Floor: 5

Room: 511

User Name: TEST

Device Mod: AB

Auto search Add Delete Edit Refresh Sort Setting



2. Ajout manuel

Commercial AC Management Software 2.0

Monitor Schedule Device Manager Data Manage System Setup

admin 2016-11-18 13:27:38

Device Manage Floor Setup

Id	Comm Addr	Gateway Addr	Group Addr	Building	Floor	Room	Username	Device Type
1	1	1	0	A10	5	511	TEST	indoor

① Saisissez les informations du nouvel appareil dans le formulaire à droite sans dupliquer les adresses d'unité et passerelle

② Une fois les informations saisies, cliquez sur « Add »

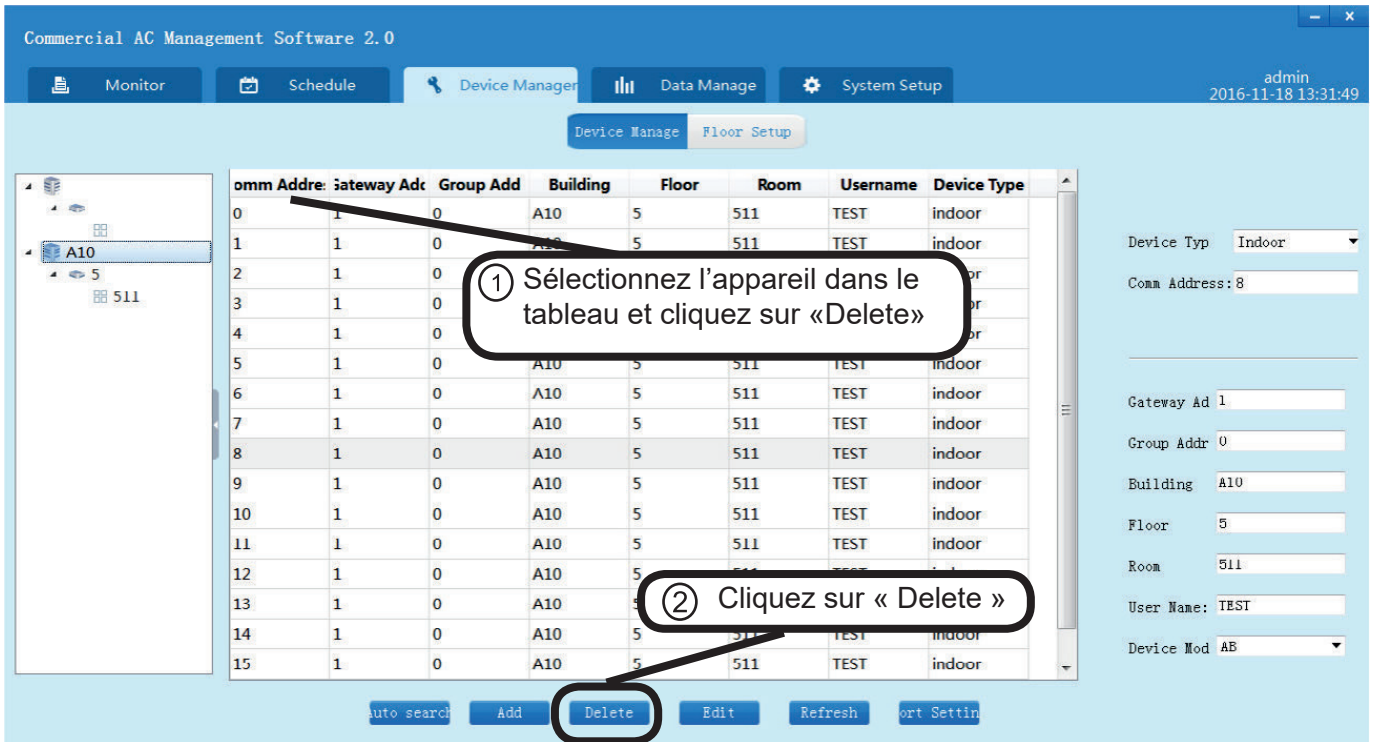
Device Typ Indoor
Conn Address: 1
Gateway Ad 1
Group Addr 0
Building A10
Floor 5
Room 511
User Name: TEST
Device Mod AB

Auto search Add Delete Edit Refresh Port Setting

- Ajoutez les informations de l'unité intérieure dans le formulaire à droite et vérifiez que les adresses d'unité intérieure et de passerelle ne sont pas dupliquées.
- Cliquez sur « Add » pour terminer l'ajout.

Les informations de la nouvelle unité intérieure s'affichent dans le tableau. Redémarrez le logiciel pour valider les nouveaux réglages.

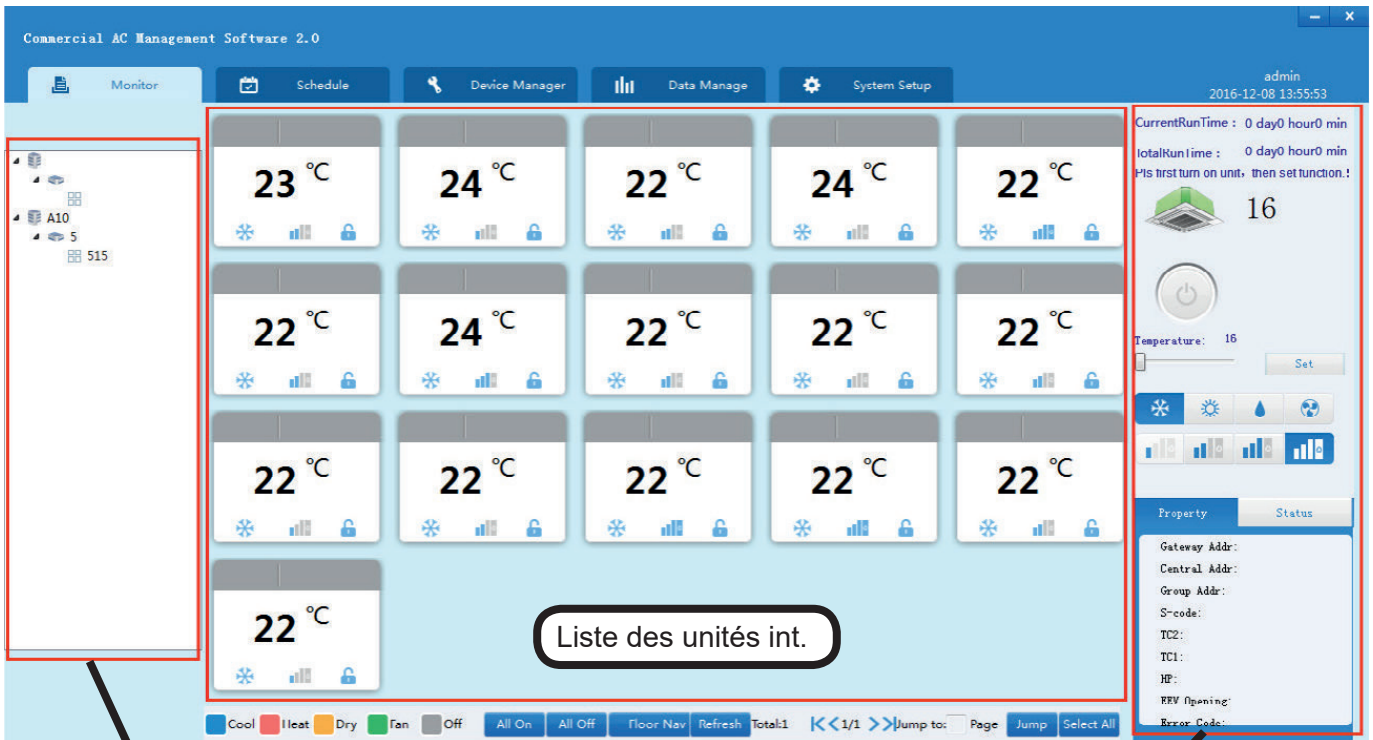
3. Suppression d'un appareil



- Sélectionnez dans le tableau l'appareil que vous souhaitez supprimer.
- Cliquez sur « Delete » pour confirmer la suppression.

Contrôle d'un appareil

Une fois l'appareil ajouté, cliquez sur « Monitor » pour superviser l'unité intérieure.

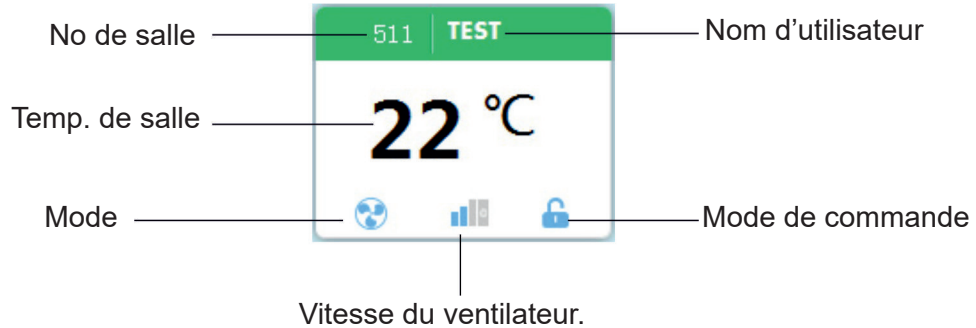


Colonne étage et salle

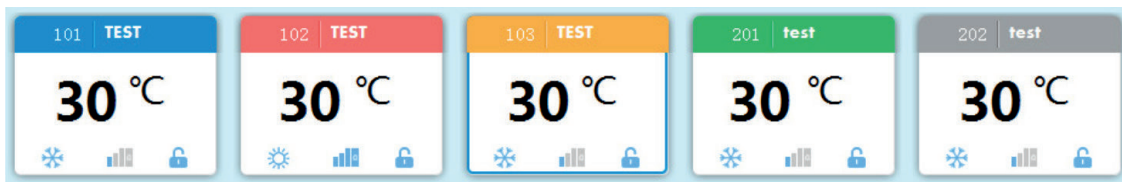
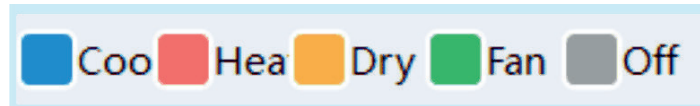
Paramètres opérationnels de l'unité int.

1. États de fonctionnement des unités intérieures

Chaque icône indique l'état de fonctionnement de l'unité intérieure, comme illustré ci-dessous :

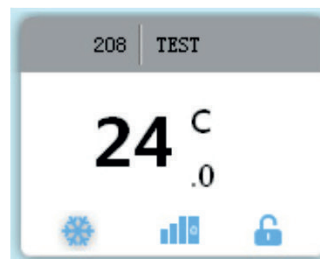
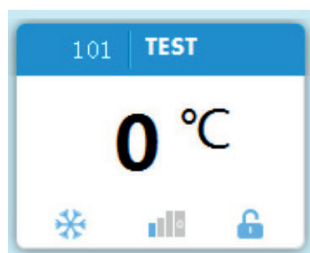


(a) Les modes de fonctionnement sont signalés par des couleurs différentes.

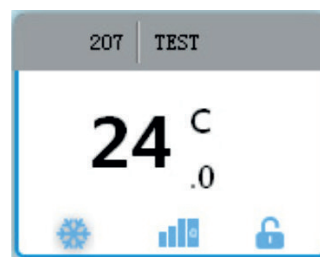
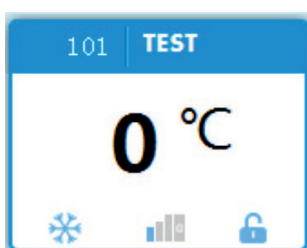


Les états et les modes sont dans l'ordre : refroidissement, chauffage, déshumidification, ventilateur, arrêt

(b) Cliquez sur la fenêtre pour sélectionner l'unité intérieure.
Lorsque la fenêtre est sélectionnée, la bordure s'affiche sous la forme d'une ligne continue.

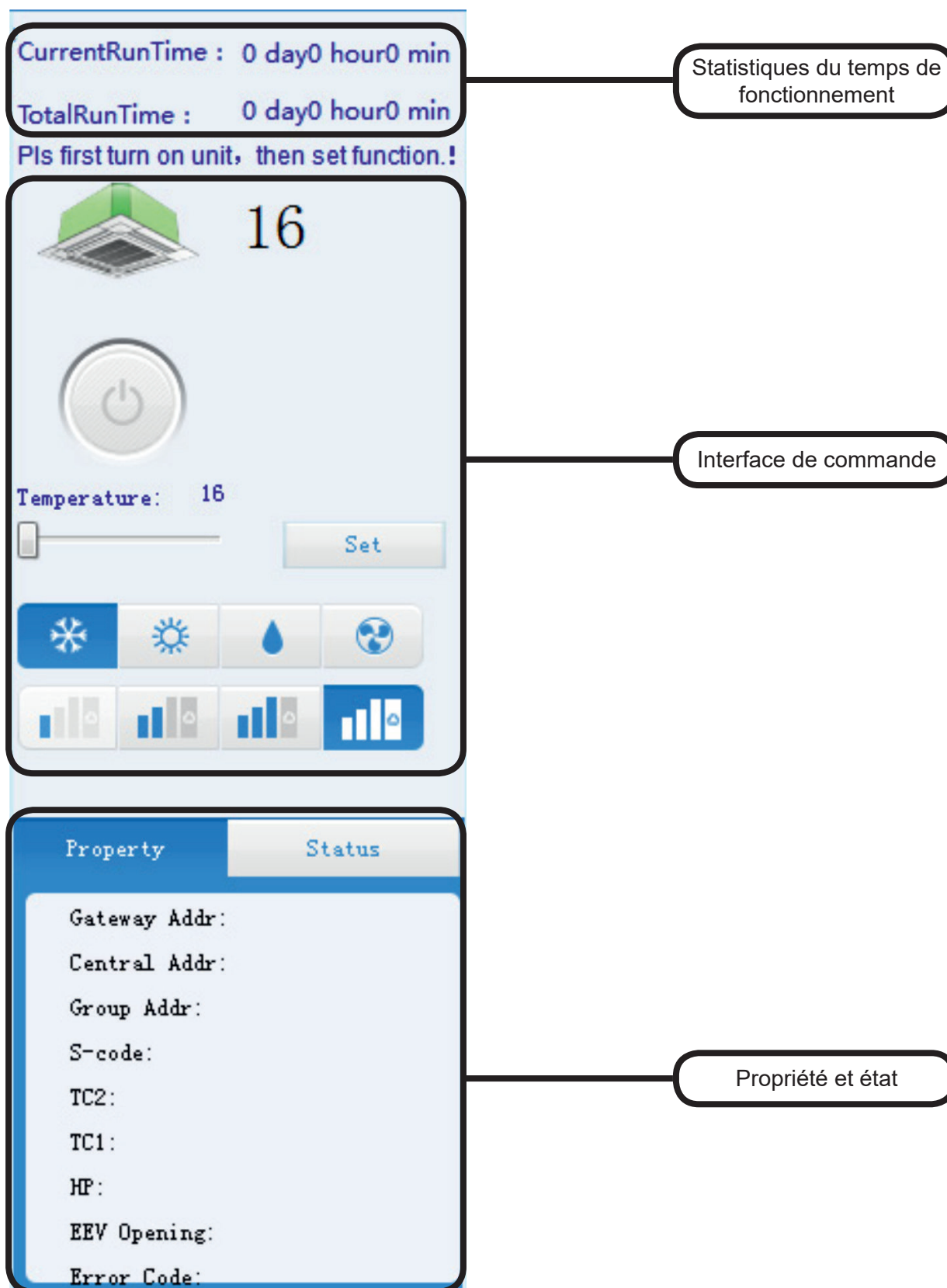


Unité int. sélectionnée (mode ON). Unité int. sélectionnée (mode OFF)



2. État détaillé de l'unité intérieure

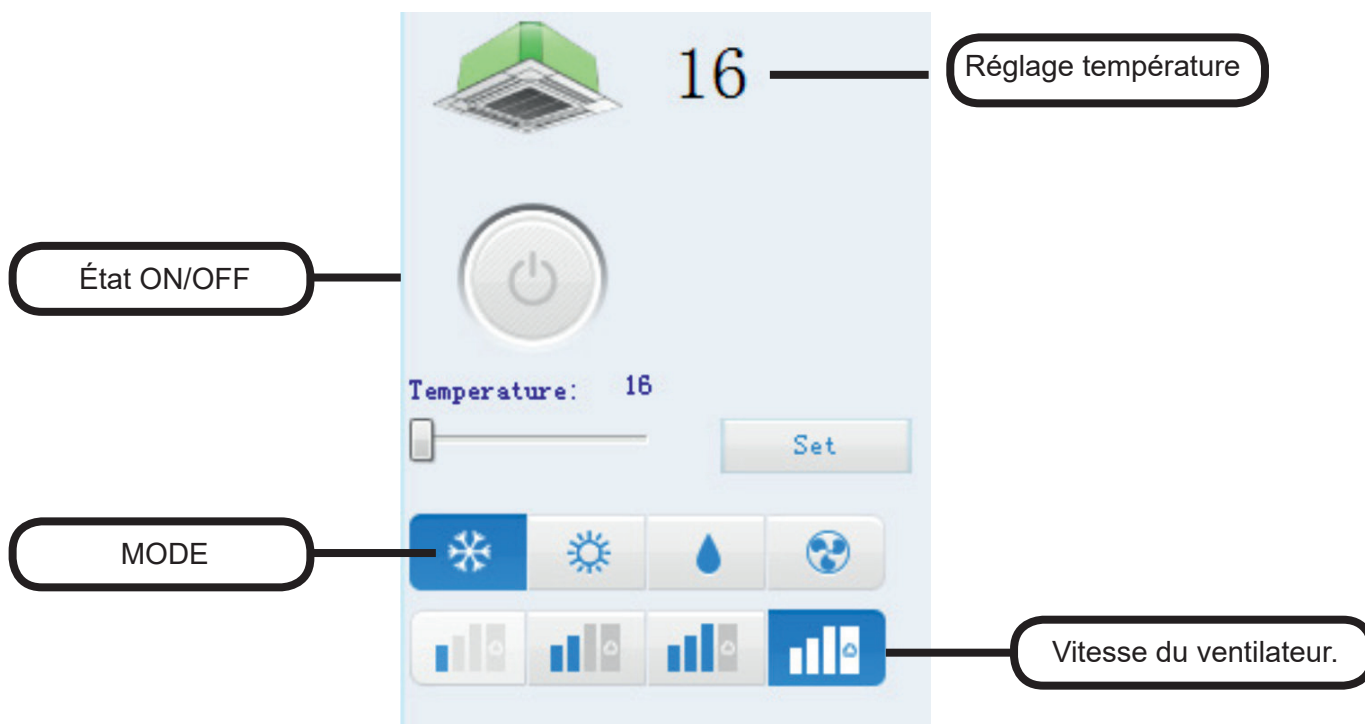
Démarrez l'unité, puis réglez la fonction



3. Commande de l'unité intérieure

(a) Commande d'une unité individuelle

Après sélection d'une unité intérieure, vous pouvez consulter et actionner toutes les commandes de réglage de l'unité intérieure à droite de l'écran.

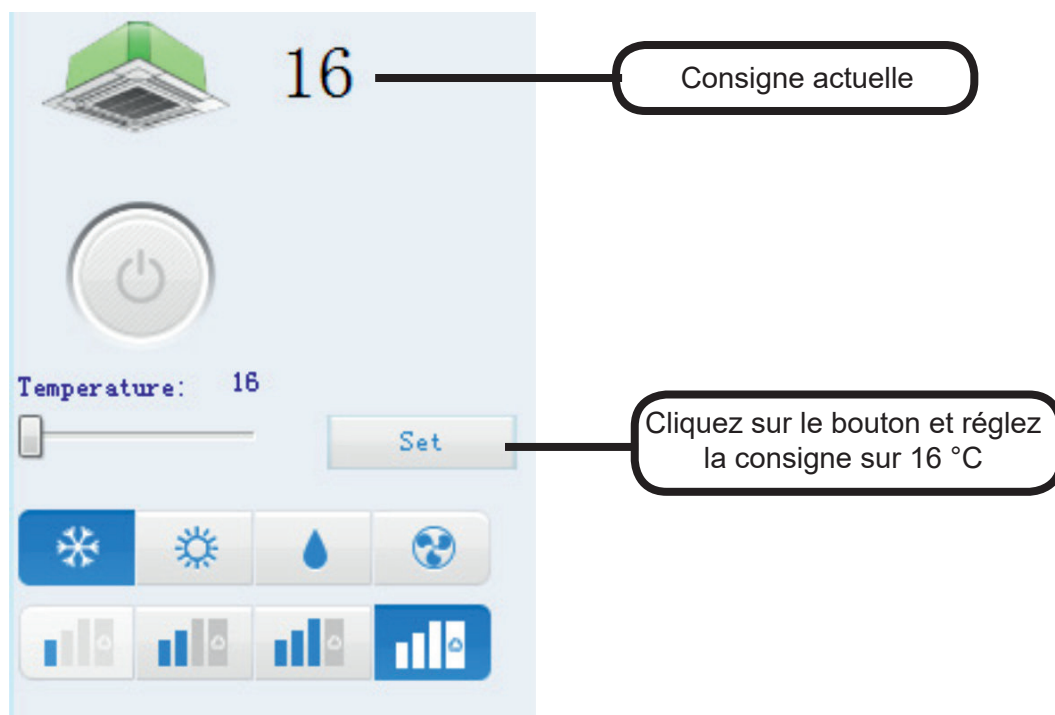


Description détaillée de chaque bouton

Bouton	Explication
	ON
	OFF
	FROID
	CHAUFF.
	SEC
	VENT.

Bouton	Explication
	BAS
	MOYEN
	HAUT
	AUTO
	RÉGLAGE TEMPÉRATURE

L'état de l'unité intérieure ci-dessous est sur ON. La consigne de température est réglée sur 24 °C, refroidissement et vitesse faible. Cliquez sur le bouton « Set » pour modifier le point de consigne sur 16 °C.

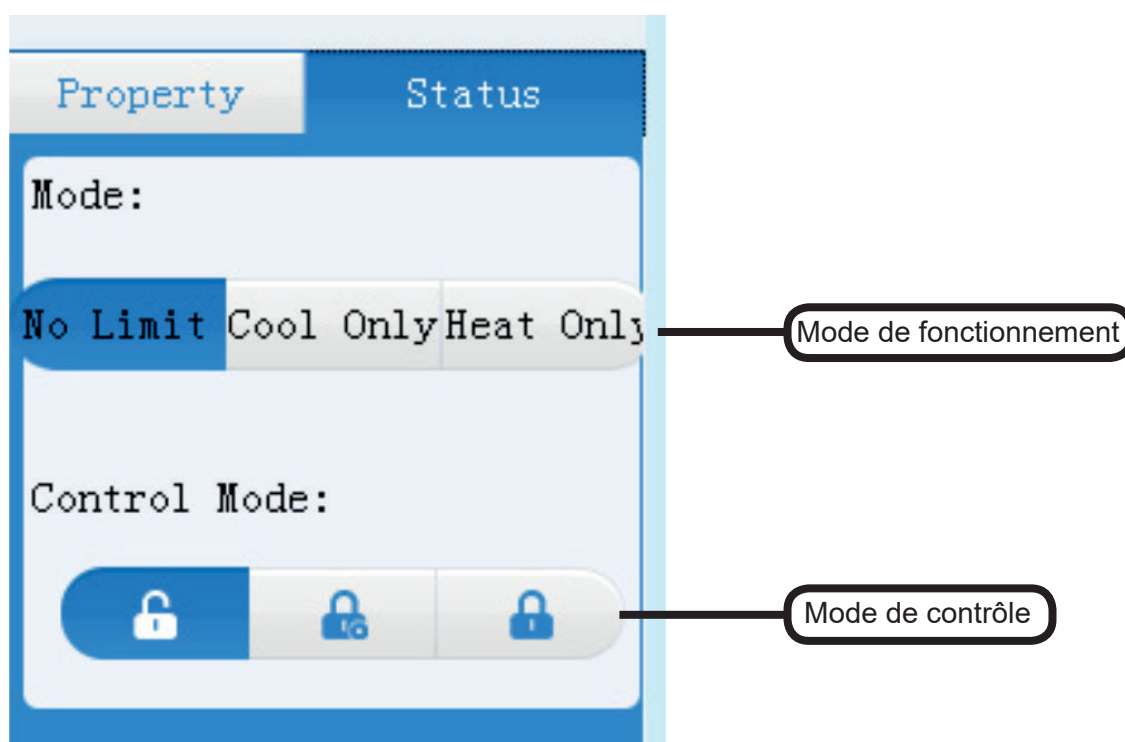


(b) Mode de fonctionnement/mode de commande

Affichage du mode de fonctionnement et du mode de commande dans l'onglet « Status » (état)

Mode de fonctionnement : No Limit (illimité), Cool Only (refroidissement seul), Heat Only (chauffage seul) ;

Mode de commande : Last in first out (LIFO), central control (commande centralisée), Lock (verrouillage);



Mode de fonctionnement

No limit (illimité) : Tous les modes de fonctionnement sont disponibles


Cool only (refroidissement seul) : L'unité intérieure ne peut fonctionner qu'en mode refroidissement. Aucun autre mode n'est autorisé.

Heat only (chauffage seulement) : L'unité intérieure ne peut fonctionner qu'en mode chauffage. Aucun autre mode n'est autorisé.

Last in first out (LIFO) :  Le programme exécute la dernière instruction, quelle que soit son origine.

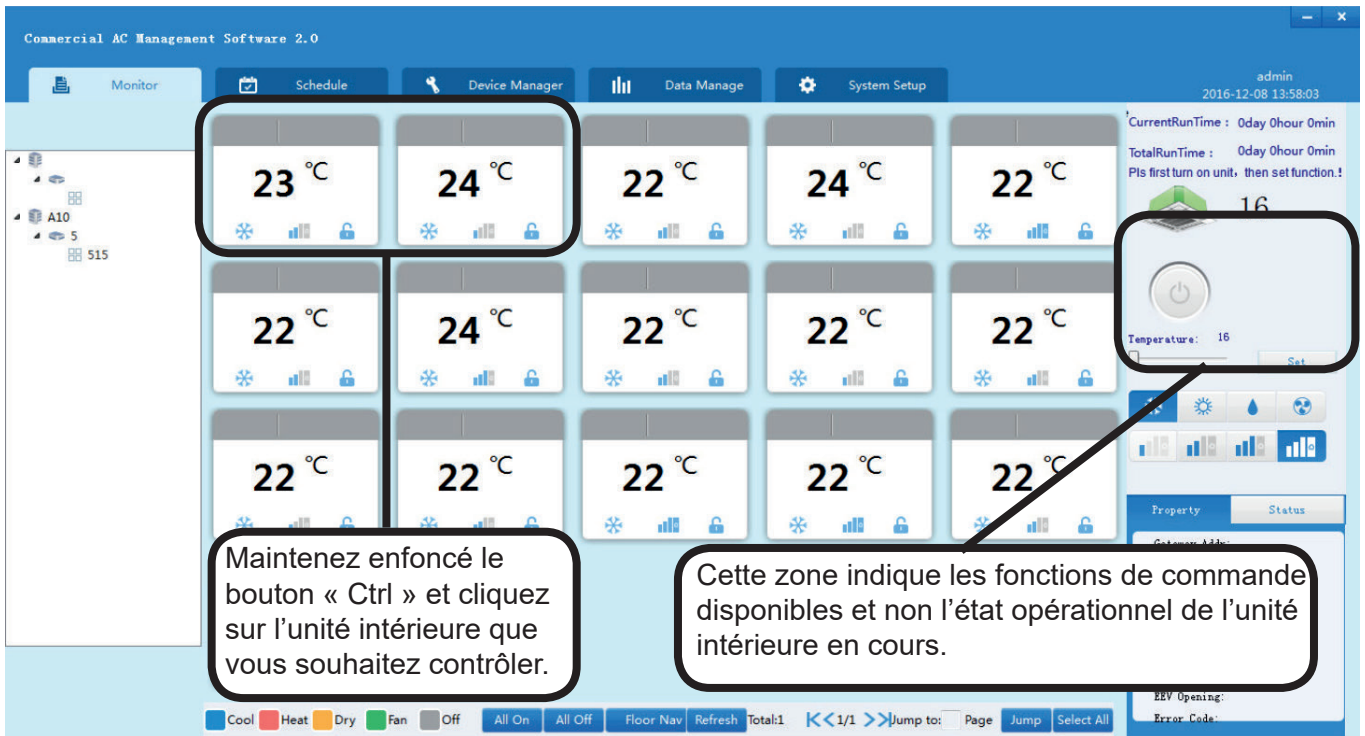
40VCB117FQEE, commande filaire ou télécommande : par exemple le 40VCB117FQEE envoie l'instruction basse vitesse, puis la commande filaire envoie une instruction de haute vitesse : l'appareil fonctionne à haute vitesse.

Central control (commande centralisée) :  Disponible uniquement avec le 40VCB117FQEE. La commande filaire et la télécommande ne peuvent que démarrer ou éteindre l'unité intérieure.

Lock (verrouillage) :  Toutes les instructions sont envoyées par le 40VCB117FQEE. La commande filaire et la télécommande ne peuvent qu'afficher que l'état de fonctionnement.

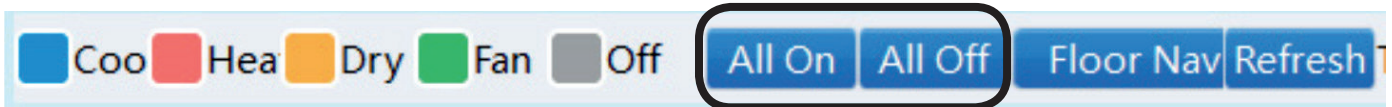
(c) Commande de plusieurs unités intérieures. Pour contrôler plusieurs unités intérieures, veuillez suivre les étapes ci-dessous :

- Maintenez enfoncé le bouton « Ctrl » et cliquez sur l'unité intérieure que vous souhaitez contrôler ;
- Appuyez sur le bouton ON/OFF pour mettre en marche et à l'arrêt l'unité intérieure ;
- Faites glisser le curseur pour régler la température ;
- Cliquez sur le ventilateur dont vous souhaitez régler la vitesse ;
- Cliquez sur le mode de fonctionnement que vous souhaitez définir.



The screenshot shows the 'Commercial AC Management Software 2.0' interface. It features a grid of 15 temperature control cards for different units. Each card displays a temperature (e.g., 23°C, 24°C, 22°C) and a set of control icons. A callout box points to the top-left card, stating: 'Maintenez enfoncé le bouton « Ctrl » et cliquez sur l'unité intérieure que vous souhaitez contrôler.' Another callout box points to the control icons on a card, stating: 'Cette zone indique les fonctions de commande disponibles et non l'état opérationnel de l'unité intérieure en cours.' The interface also includes a sidebar with a tree view, a top navigation bar with tabs like 'Monitor', 'Schedule', 'Device Manager', 'Data Manage', and 'System Setup', and a right-hand panel with 'CurrentRunTime', 'TotalRunTime', and 'Property' sections.

(d) All on/off (toutes en marche/toutes à l'arrêt)



Cliquez sur « All on » pour faire marcher toutes les unités intérieures
Cliquez sur « All Off » pour arrêter toutes les unités intérieures

Réglage de l'étage

1. Réglage de la zone



Français

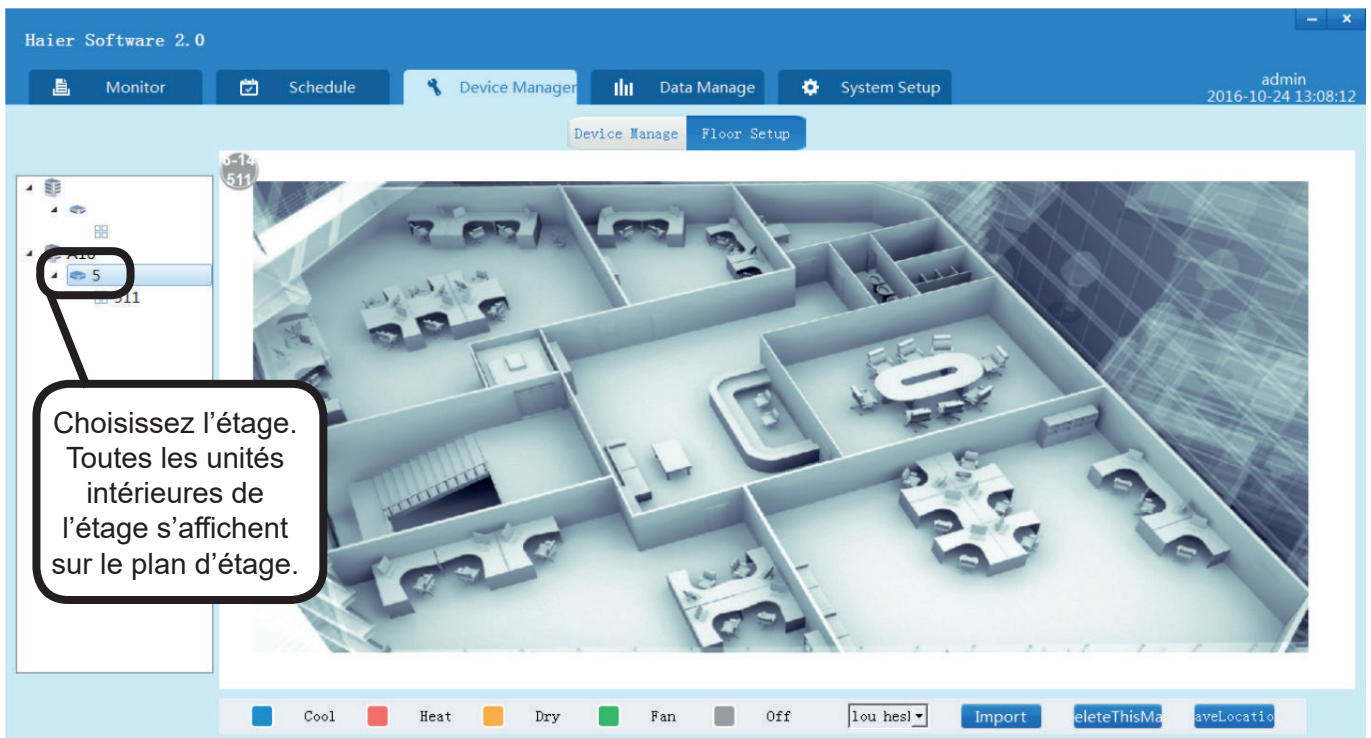
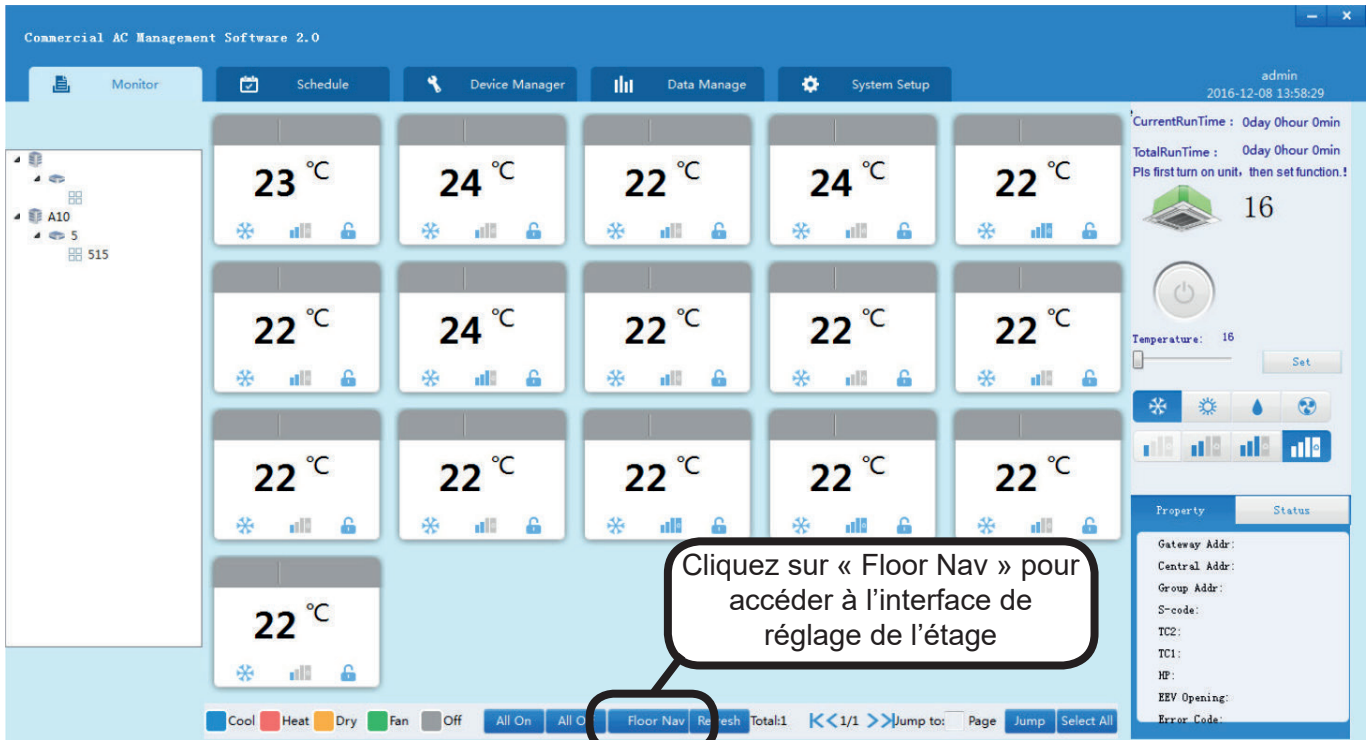




: 1-2 signifie que l'unité intérieure No 1 est connectée au 40VCBM17FQEE No 2.
516 est le numéro de la salle.



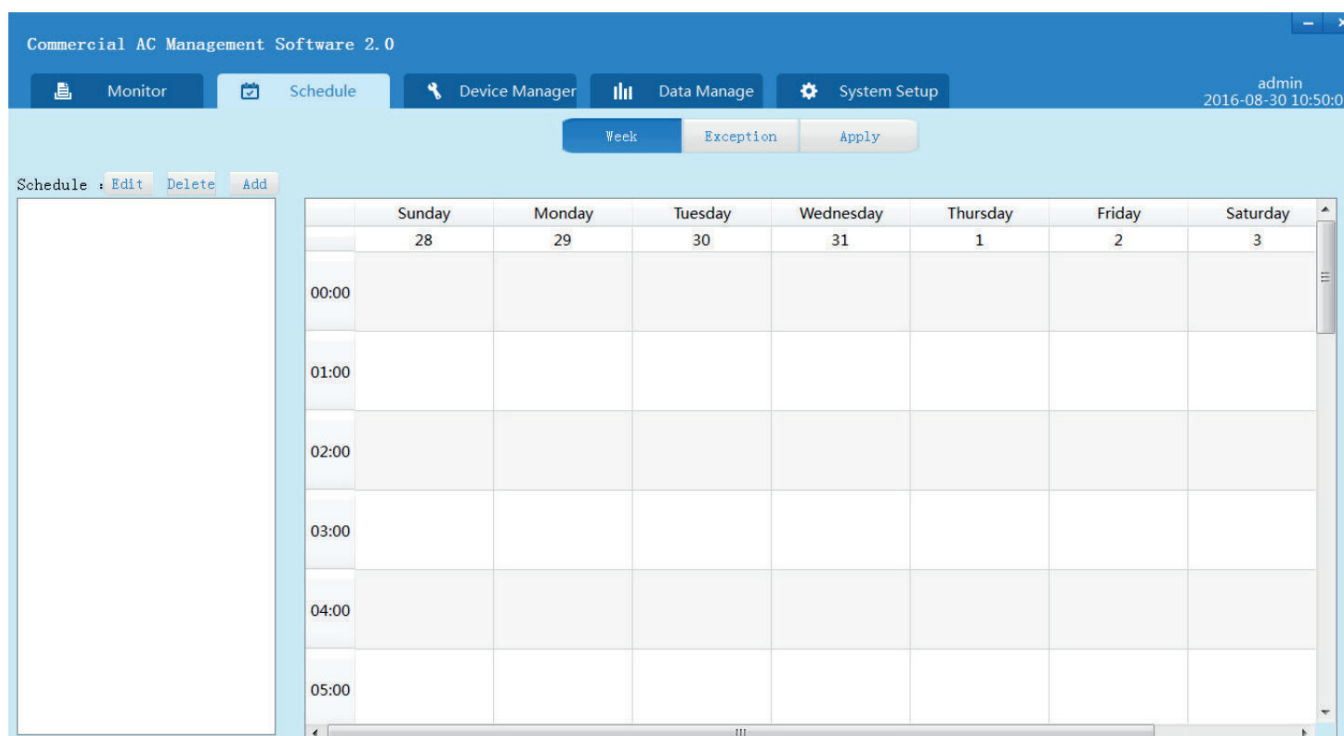
2. Réglage de l'étage



Remarques : Il est possible d'utiliser des plans d'étage différents pour chaque étage.

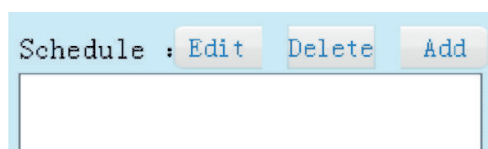
Planification

Cliquez sur le bouton « Schedule » sur la page principale pour configurer la programmation horaire.

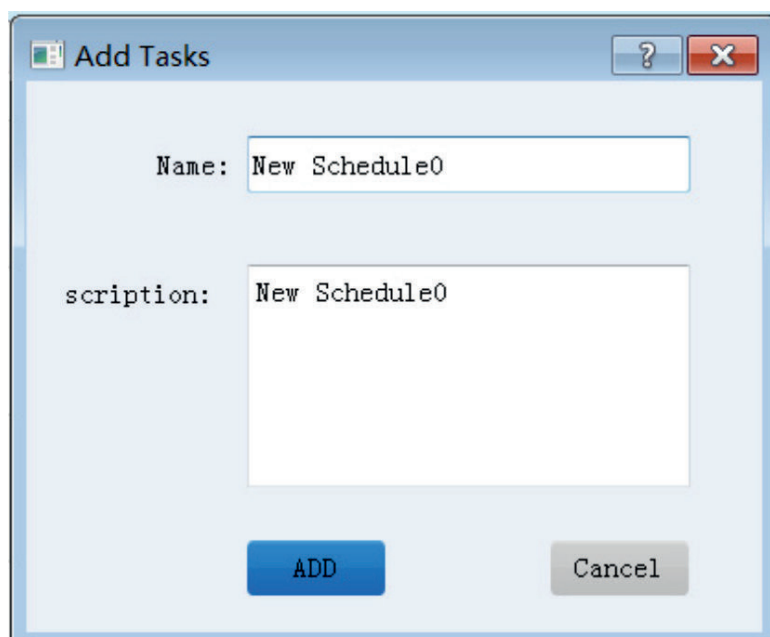


1. Programmation hebdomadaire

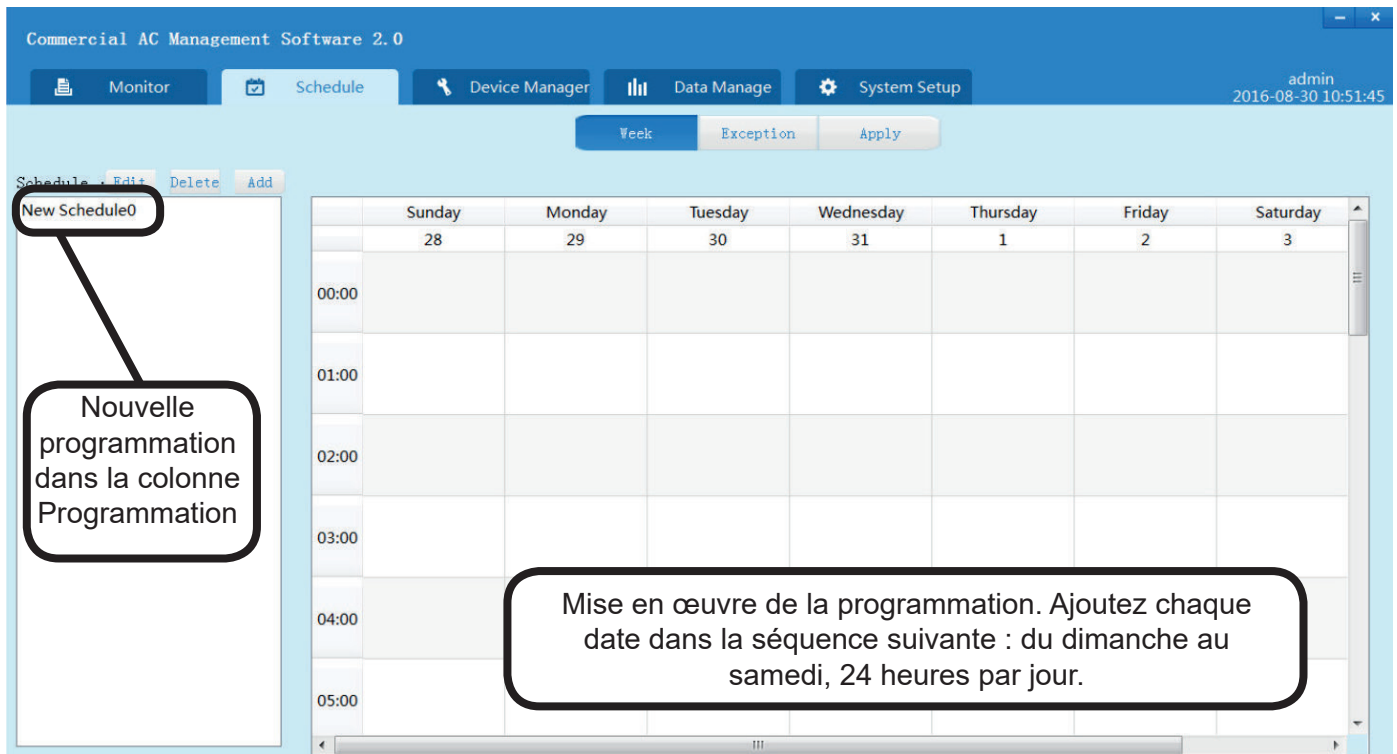
① Cliquez sur « Add » (ajouter)



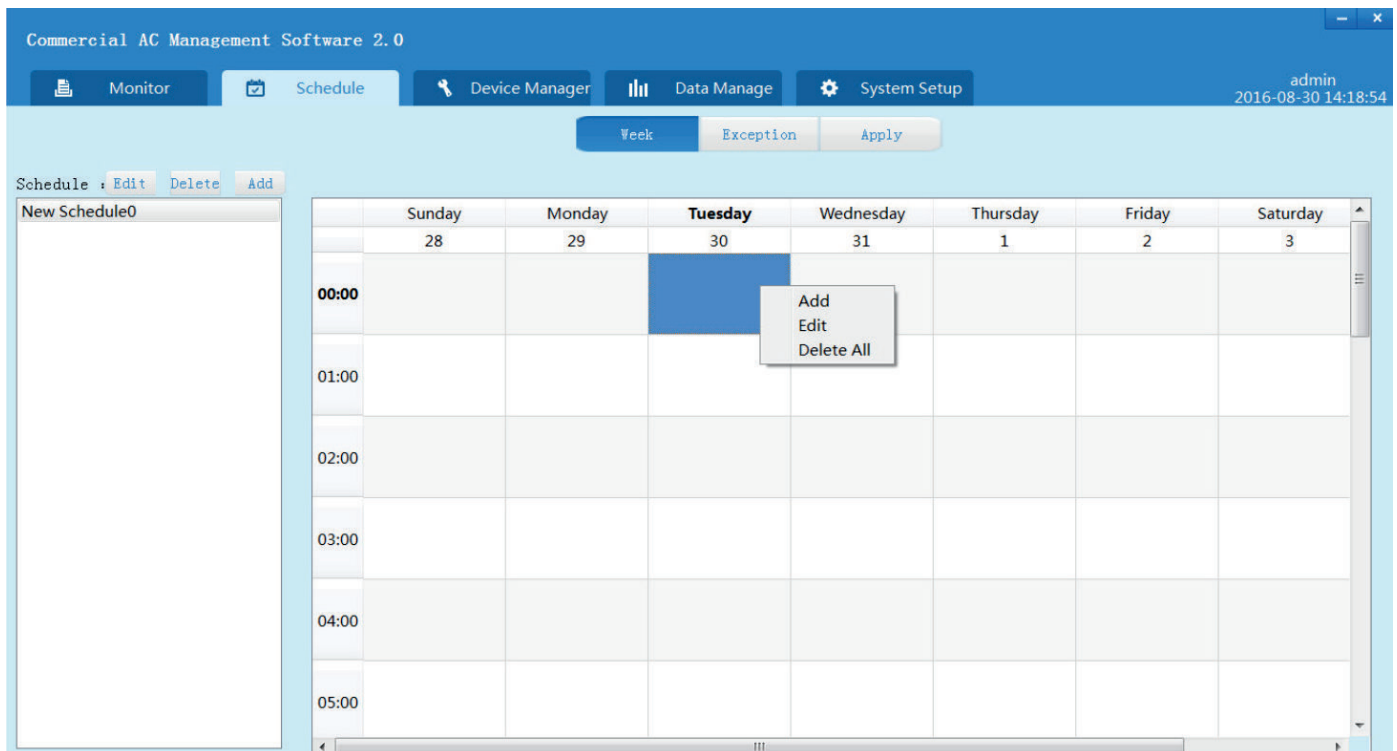
② Une boîte de dialogue s'affiche à l'écran. Entrez le nom de la programmation horaire et la description.



- ③ Cliquez sur le bouton « Add » pour créer une nouvelle programmation.



- ④ Dans la section « New schedule », cliquez avec le bouton droit de la souris sur « Implementation schedule area », un menu contextuel s'ouvre.



- ⑤ Cliquez sur « Add » dans le menu contextuel

Day of Week: Tuesday

Time (24h): 0 : 0

Name: 111

Description: 6666

Power: ON Control Mode: LIFO

Fan Speed: Low Run Mode: Cool

Temperature: 20

Save cancel

Horaire par défaut correspondant.
Cliquez sur la zone pour modifier
manuellement la date et l'heure.

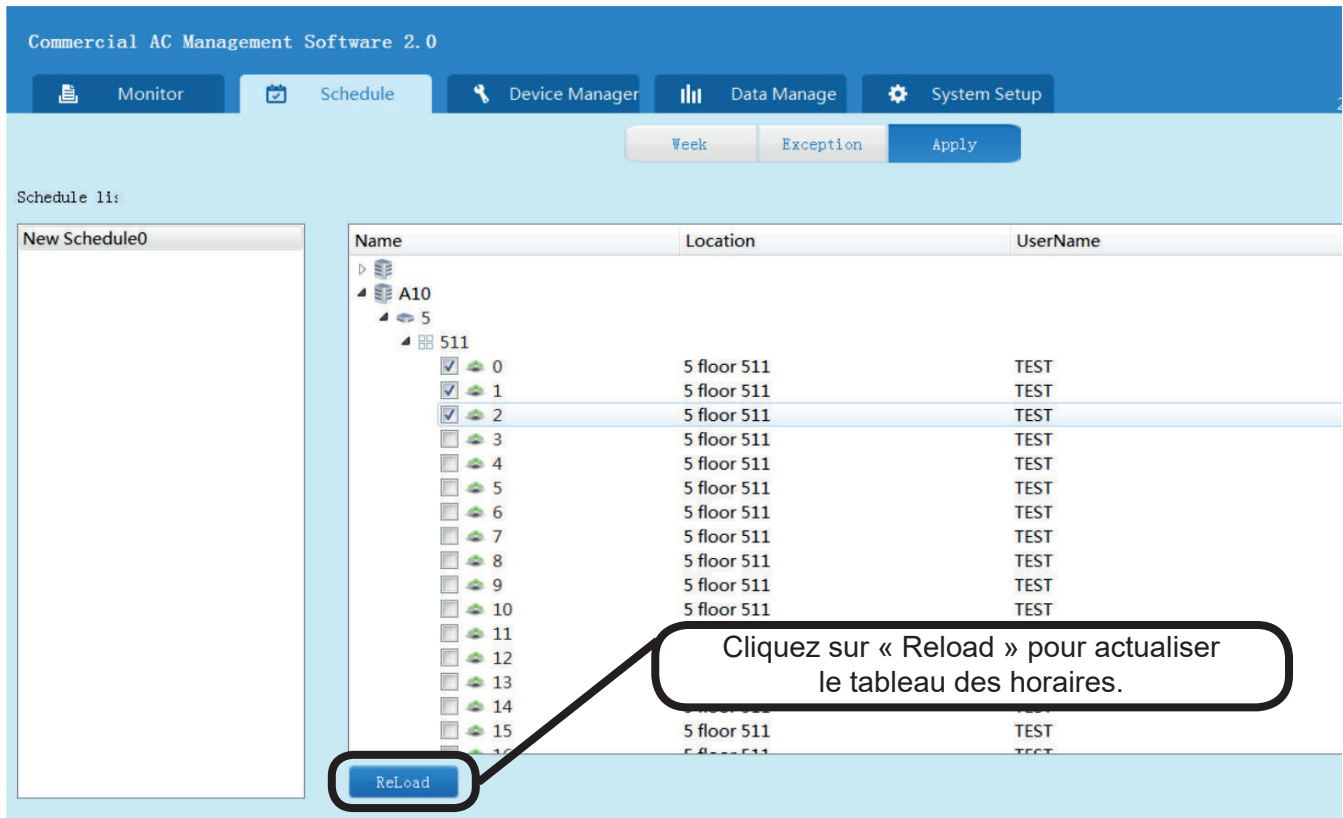
Définissez l'heure d'exécution de la programmation, le mode de commande, la température, la vitesse du ventilateur, le mode de fonctionnement, le nom et la description. Puis cliquez sur « Save ».

	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
	28	29	30	31	1	2	3
00:00			'00:00','111'				
01:00							
02:00							
03:00							
04:00							
05:00							

La nouvelle programmation horaire s'affiche
dans la cellule correspondante du tableau
(08:00 pour le temps d'exécution et XXXXX
pour le nom de la programmation).

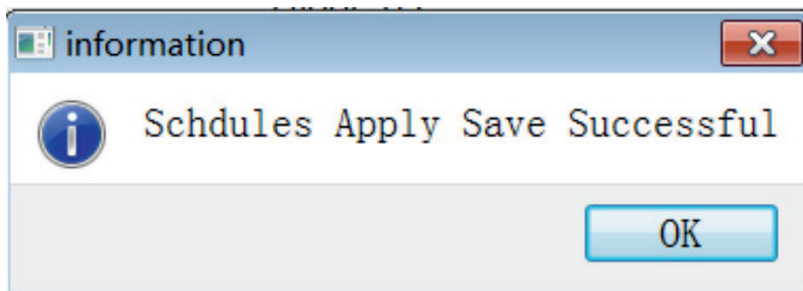
Dans l'interface de réglage de la programmation horaire, vous pouvez visualiser le temps d'exécution et le nom de la programmation dans la cellule correspondante. Répétez cette action pour ajouter de nouvelles programmations horaires.

- ⑥ Dans l'onglet « Apply », vous pouvez sélectionner la programmation horaire dans la colonne « Schedule » à gauche et cocher l'unité intérieure dans le tableau à droite.



Name	Location	UserName
511		
<input checked="" type="checkbox"/> 0	5 floor 511	TEST
<input checked="" type="checkbox"/> 1	5 floor 511	TEST
<input checked="" type="checkbox"/> 2	5 floor 511	TEST
<input type="checkbox"/> 3	5 floor 511	TEST
<input type="checkbox"/> 4	5 floor 511	TEST
<input type="checkbox"/> 5	5 floor 511	TEST
<input type="checkbox"/> 6	5 floor 511	TEST
<input type="checkbox"/> 7	5 floor 511	TEST
<input type="checkbox"/> 8	5 floor 511	TEST
<input type="checkbox"/> 9	5 floor 511	TEST
<input type="checkbox"/> 10	5 floor 511	TEST
<input type="checkbox"/> 11	5 floor 511	TEST
<input type="checkbox"/> 12	5 floor 511	TEST
<input type="checkbox"/> 13	5 floor 511	TEST
<input type="checkbox"/> 14	5 floor 511	TEST
<input type="checkbox"/> 15	5 floor 511	TEST

Cliquez sur « Save » (enregistrer). Une boîte de dialogue s'affiche à l'écran. Cliquez sur « OK » et les unités intérieures sélectionnées exécuteront la programmation horaire. Décochez la case de l'unité intérieure et cliquez sur « Save » pour annuler la programmation.

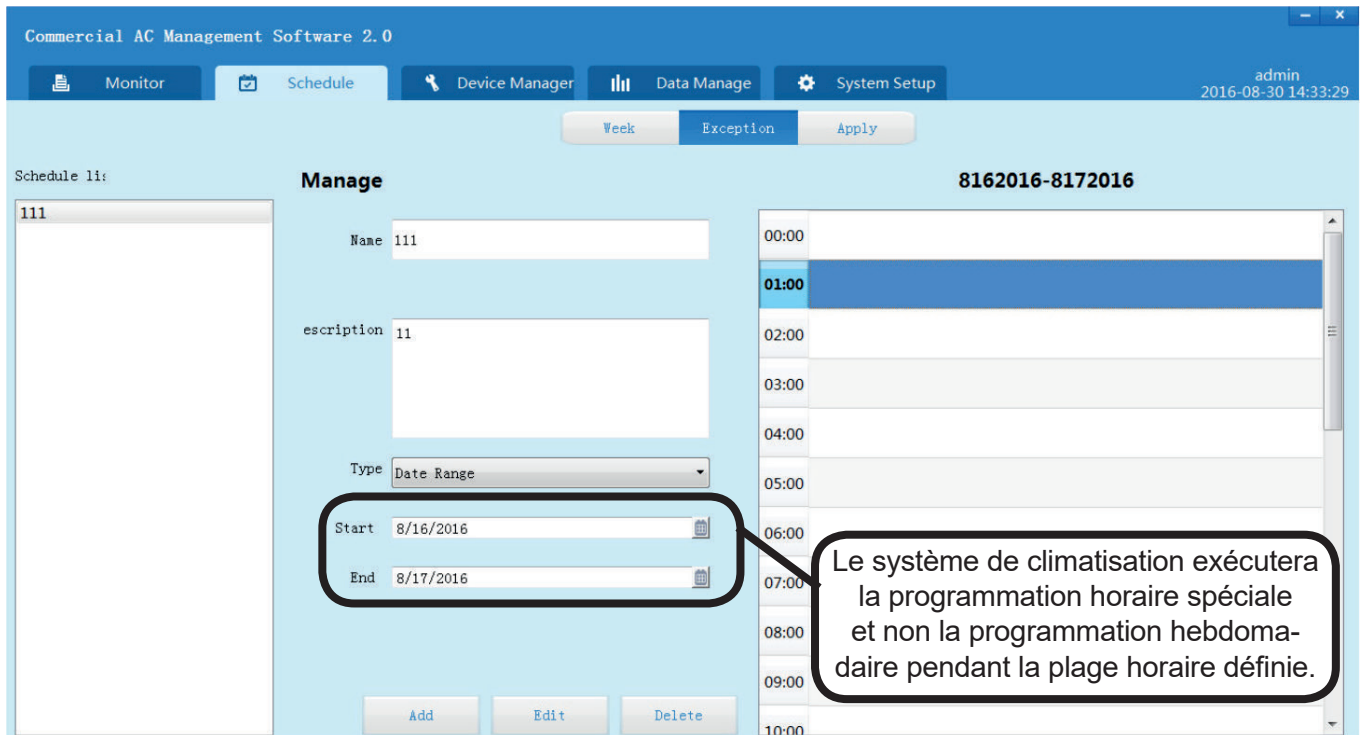


2. Exception Date (programmation horaire spéciale)

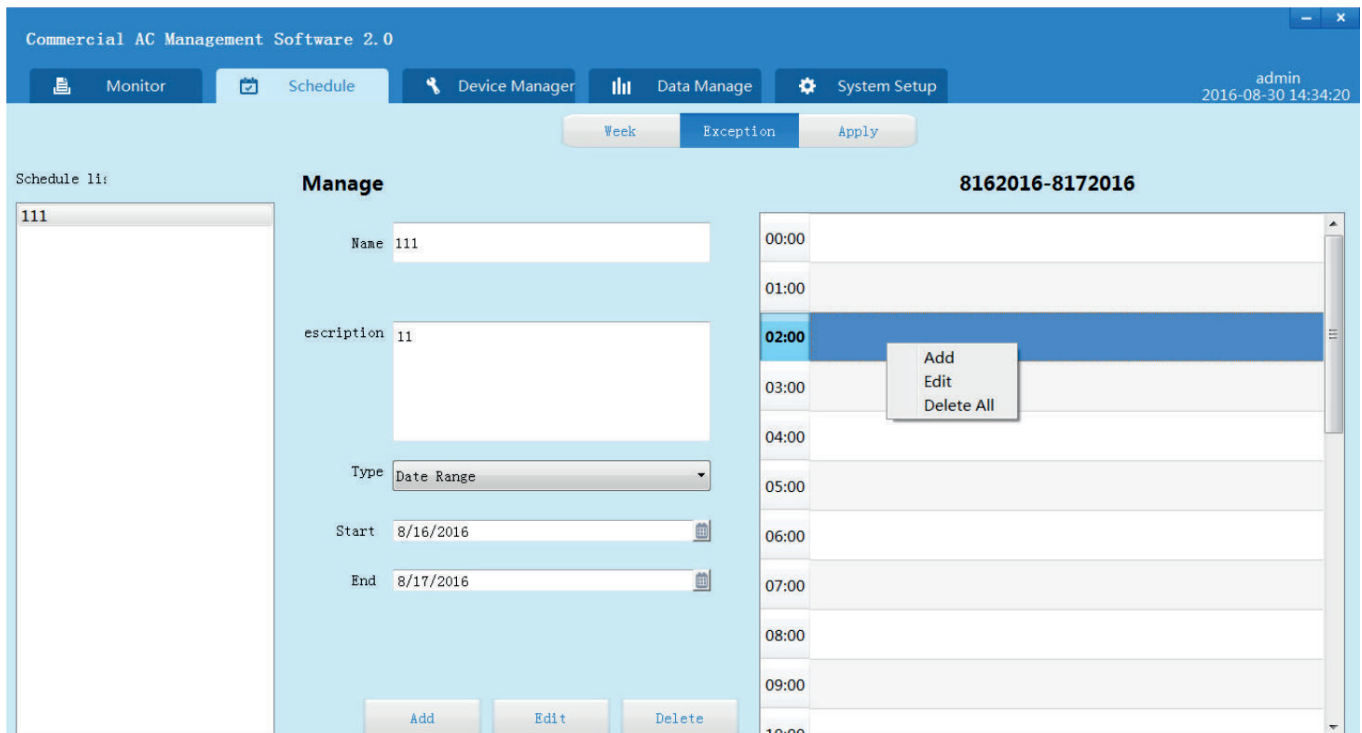
La programmation « Exception date » désigne une programmation horaire spéciale du climatiseur qui prévaut sur la programmation existante.

Étapes :

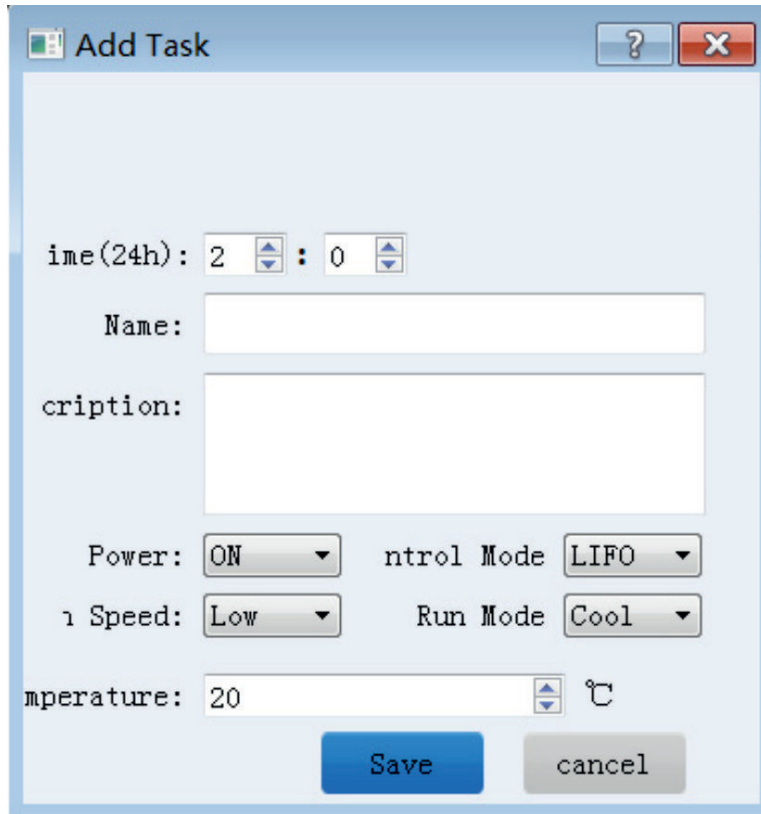
Cliquez sur le bouton « Exception », saisissez le nom et la description et sélectionnez une plage horaire.



- 1 Cliquez sur « Add » pour ajouter une nouvelle programmation. Cliquez sur l'horaire, une boîte de dialogue s'affiche à l'écran.



② Cliquez sur « Add task » (ajouter une tâche)



Time(24h): 2 : 0

Name:

Description:

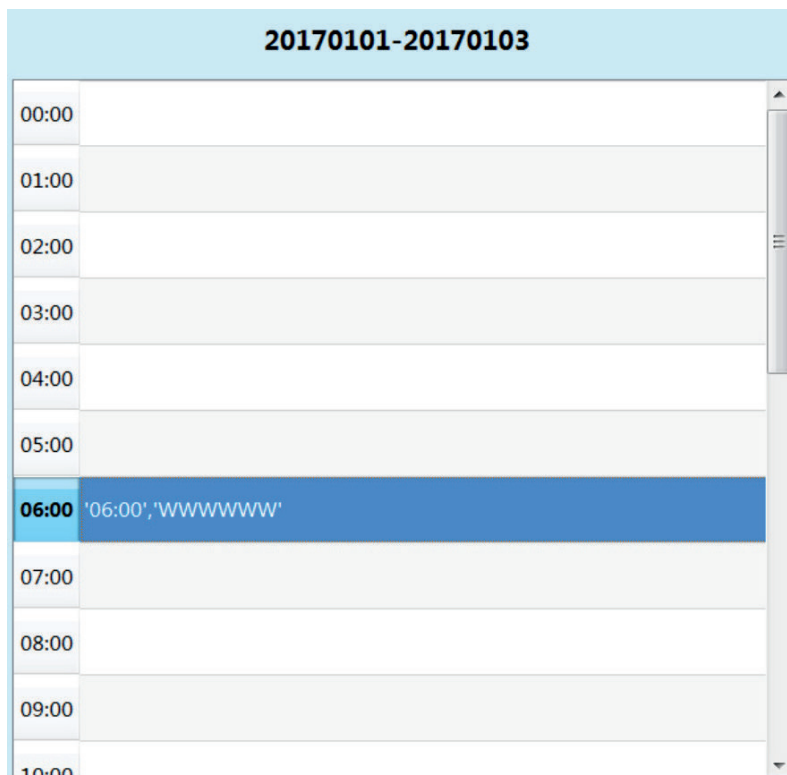
Power: ON Control Mode: LIFO

Fan Speed: Low Run Mode: Cool

Temperature: 20 °C

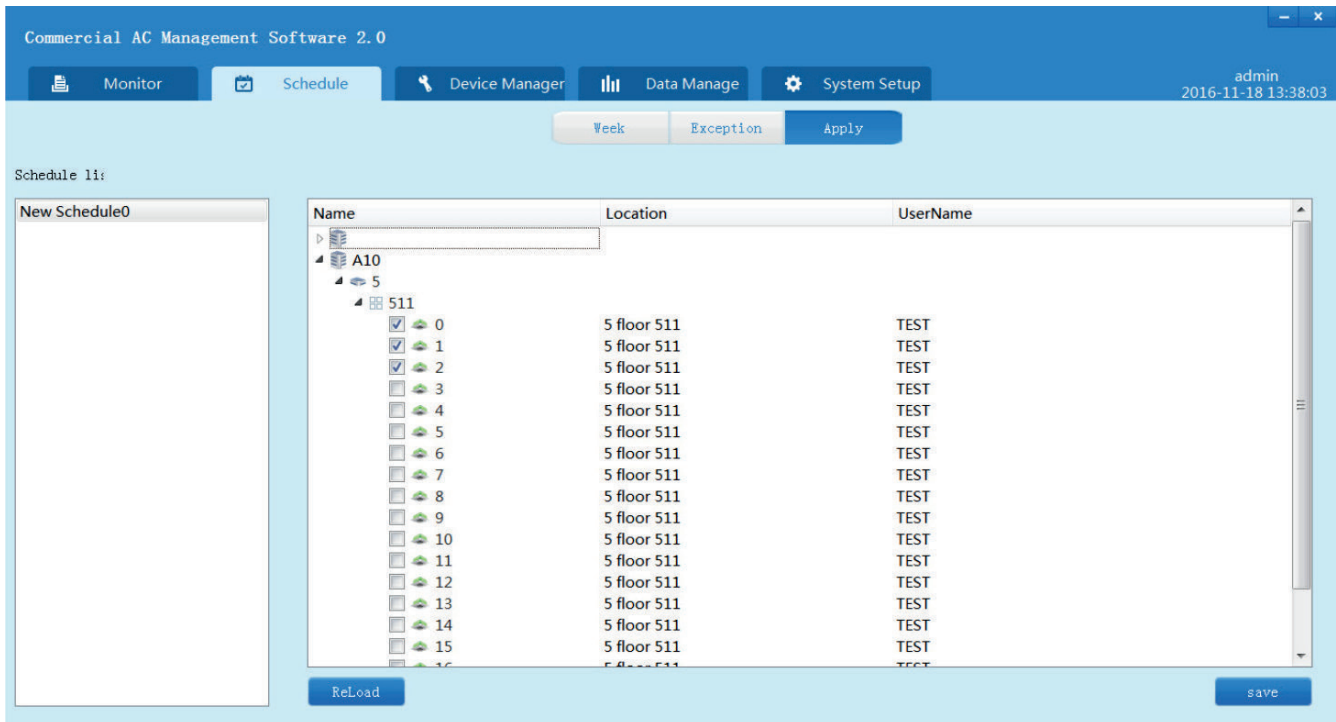
Save cancel

Définissez le temps d'exécution, l'état Marche/arrêt, le mode de commande, la vitesse du ventilateur, le mode de fonctionnement, la température et le nom et la description de la programmation horaire. Cliquez sur « Save » pour enregistrer le paramètre. Retournez à l'interface de réglage de la programmation horaire. La plage horaire correspondante indique la nouvelle programmation. Répétez cette action pour ajouter de nouvelles programmations horaires.



20170101-20170103	
00:00	
01:00	
02:00	
03:00	
04:00	
05:00	
06:00	'06:00', 'WWWWWWW'
07:00	
08:00	
09:00	
10:00	

- ③ Dans l'onglet « Apply », vous pouvez sélectionner la programmation horaire dans la colonne « Schedule » à gauche et cocher l'unité intérieure dans le tableau à droite.



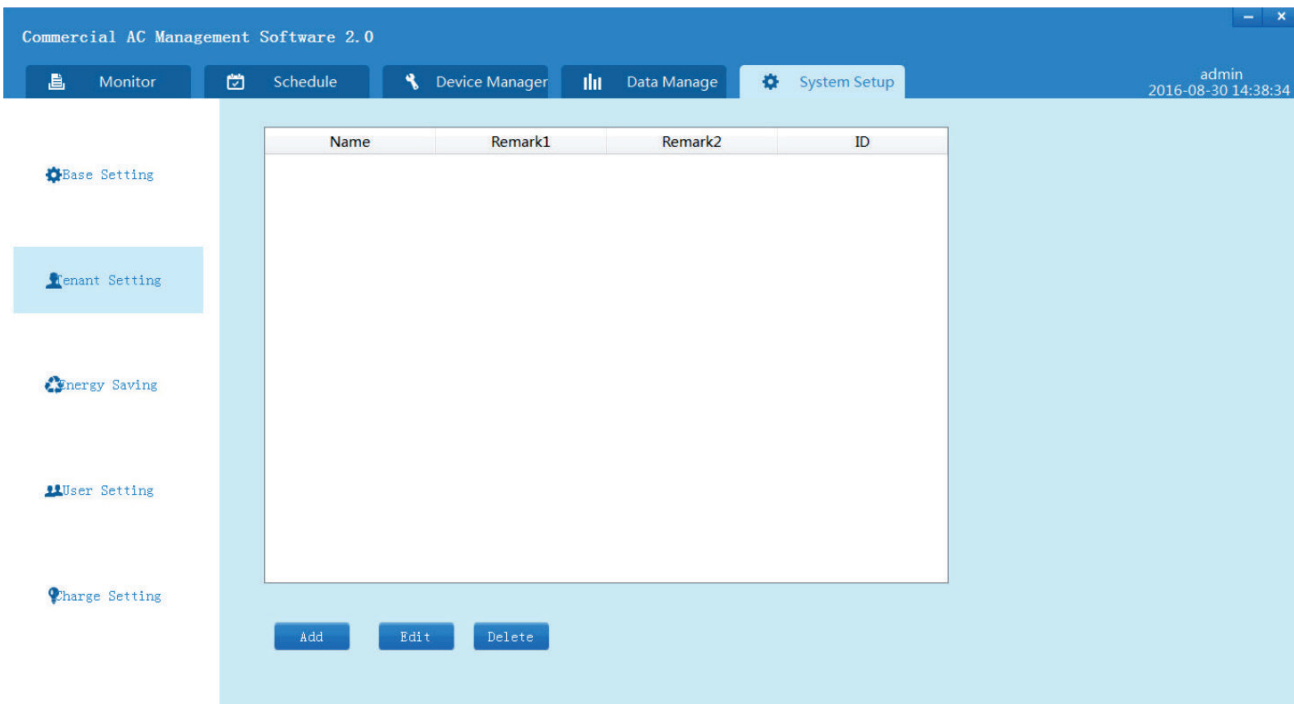
Cliquez sur « Save » (enregistrer). Une boîte de dialogue s'affiche à l'écran. Cliquez sur « OK » et les unités intérieures sélectionnées exécuteront la programmation horaire. Décochez la case de l'unité intérieure et cliquez sur le bouton « Save » pour désactiver la programmation horaire.



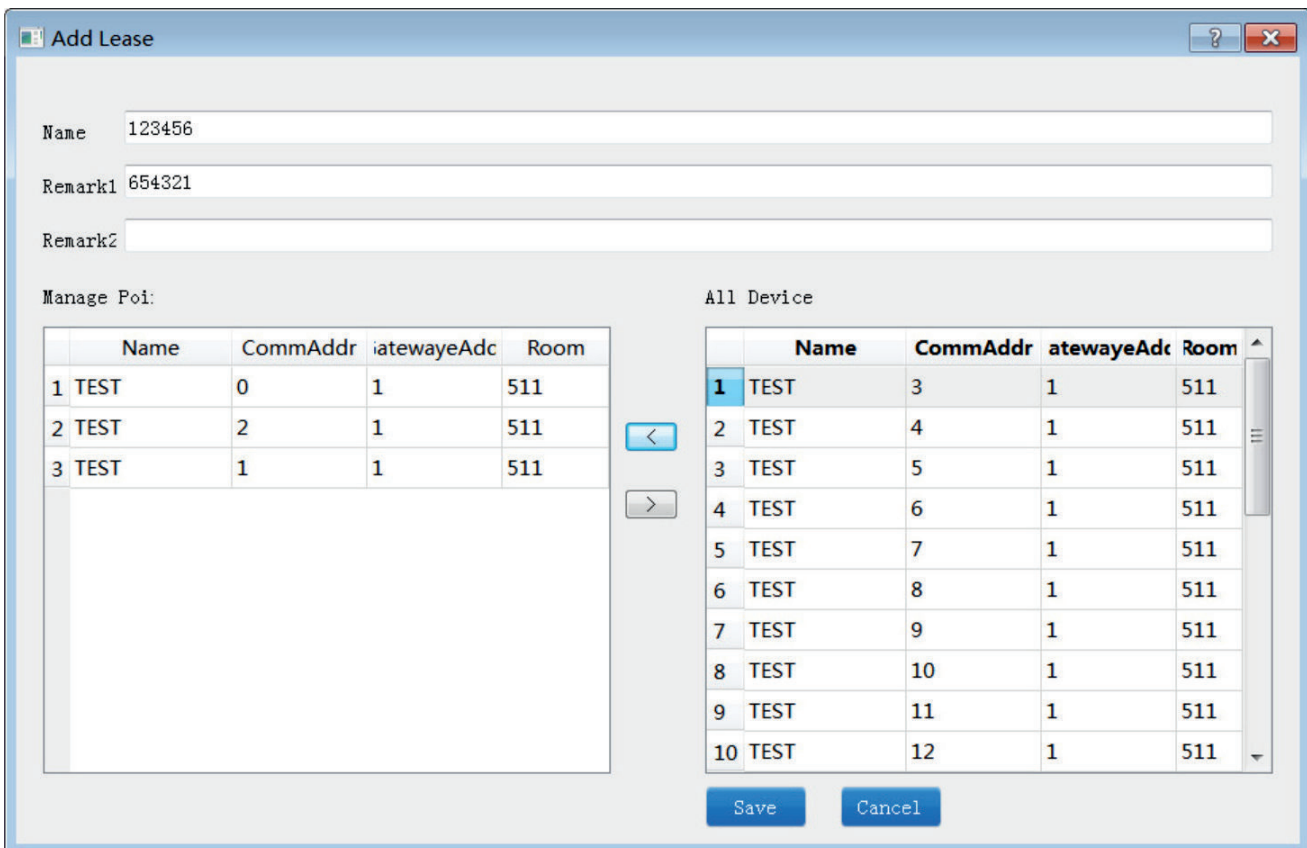
Gestion des données

Il est nécessaire de régler l'occupant et les informations de consommation électrique avant de gérer les données.

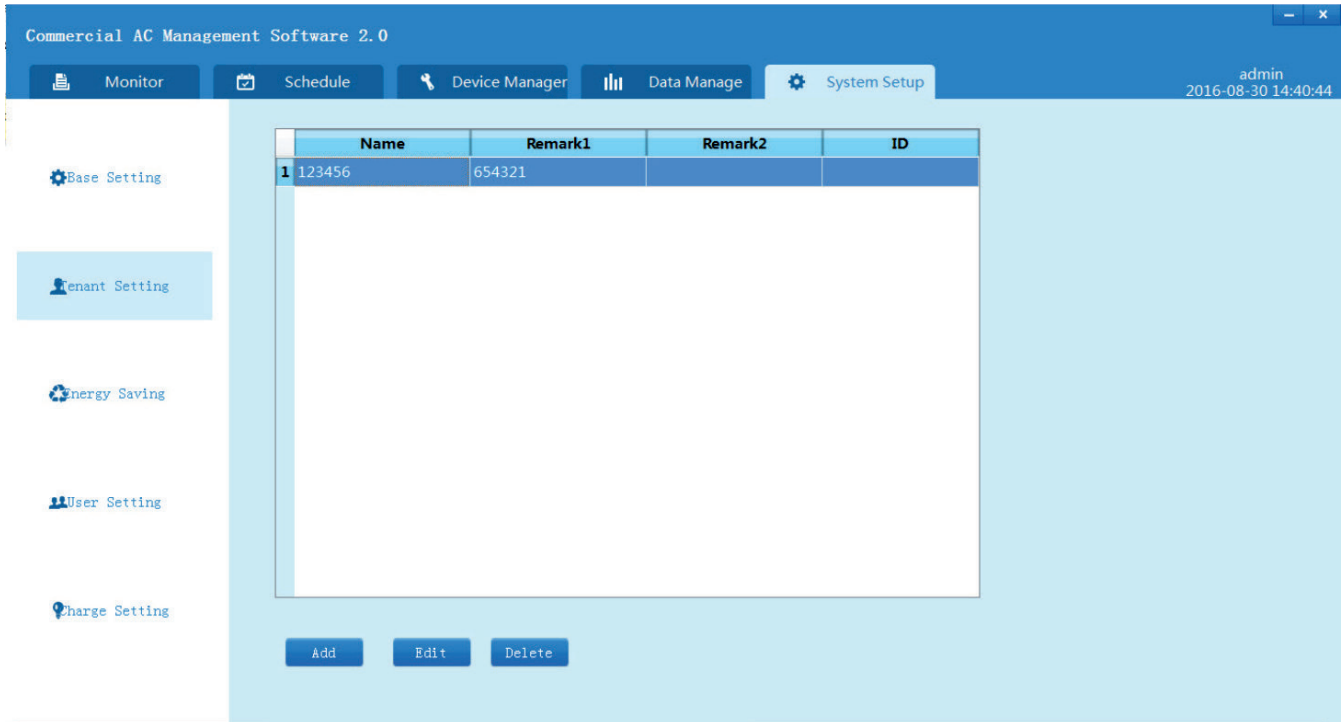
8.1 Réglage de l'occupant



Cliquez sur « Add ». Une boîte de dialogue s'affiche à l'écran. Entrez le nom et les remarques. Faites passer les unités du tableau « All Device » au tableau « Manage Point ».



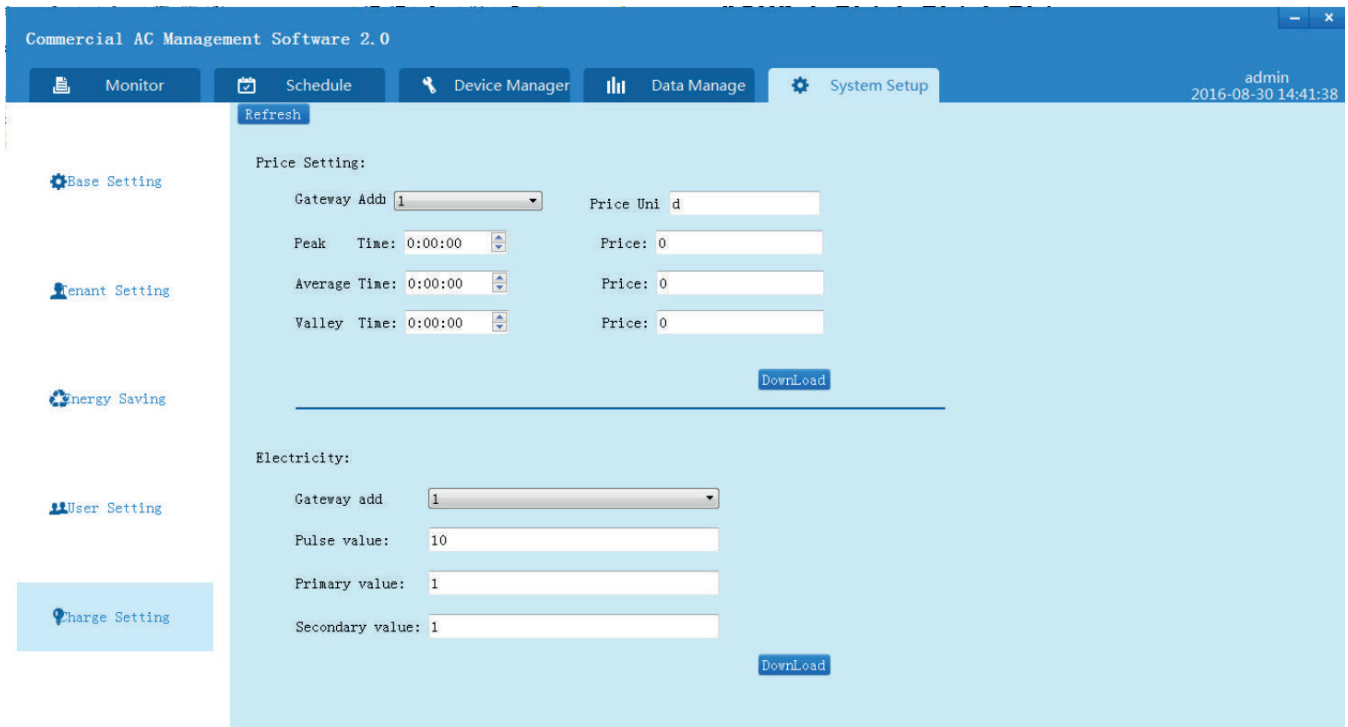
Cliquez sur « Save » pour valider le réglage de l'occupant. Le nouveau compte d'occupant s'affiche dans le tableau de réglage des occupants. Il est possible de modifier ou de supprimer des comptes d'occupant.



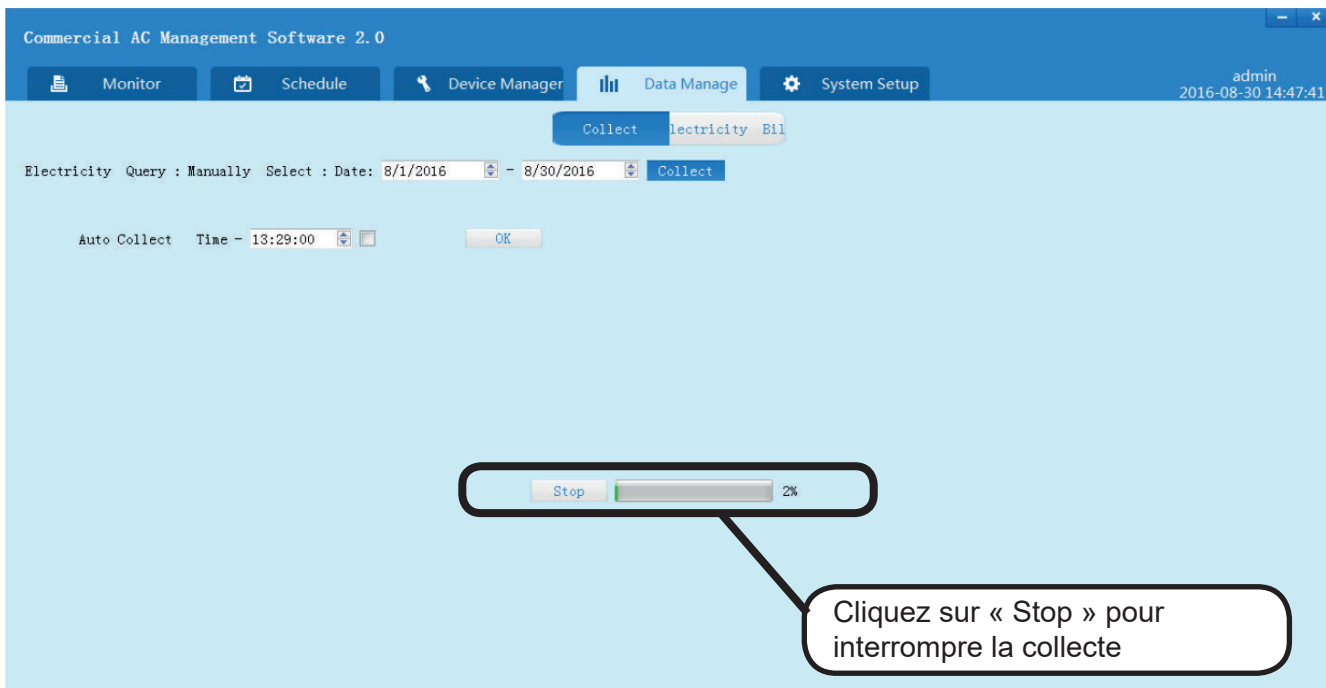
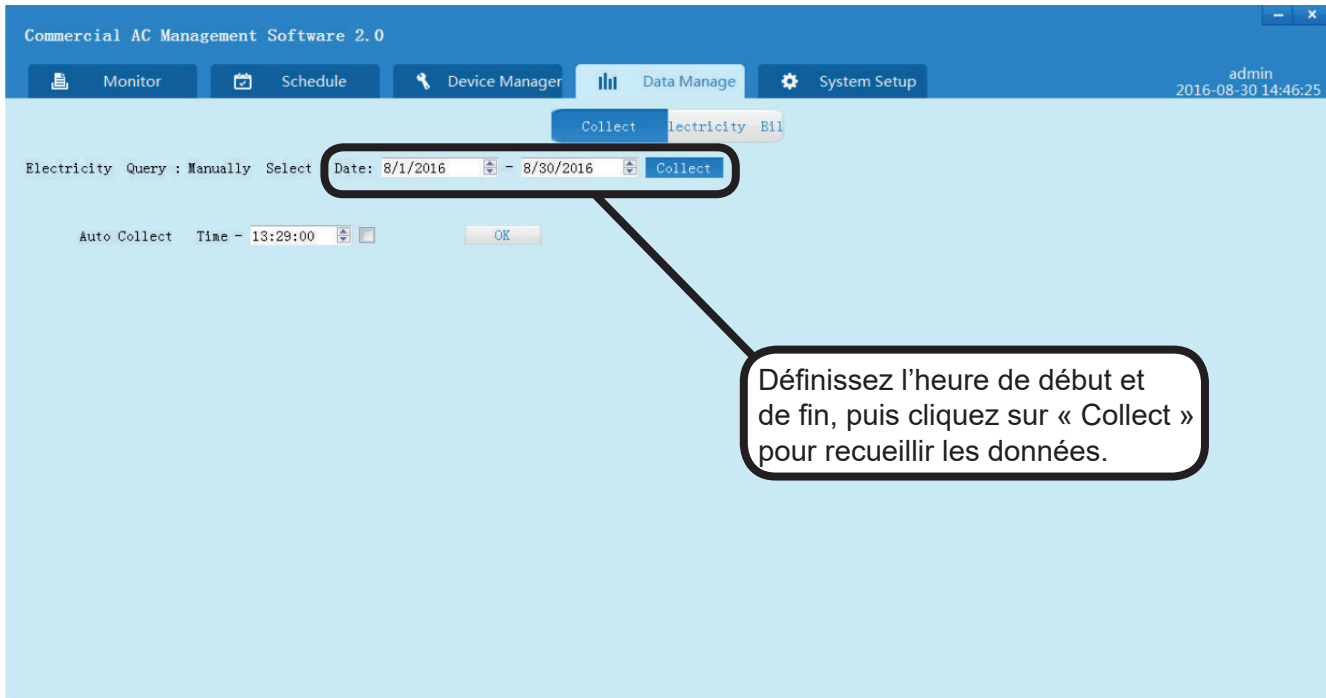
8.2 Réglage des informations de consommation électrique

Réglage du prix de l'électricité : le prix de l'électricité doit être défini pour chaque passerelle. Définissez l'heure de début, le prix et l'unité de prix pour les tarifs des heures de pointe, normales et creuses. Cliquez sur « Download » pour activer le paramètre.

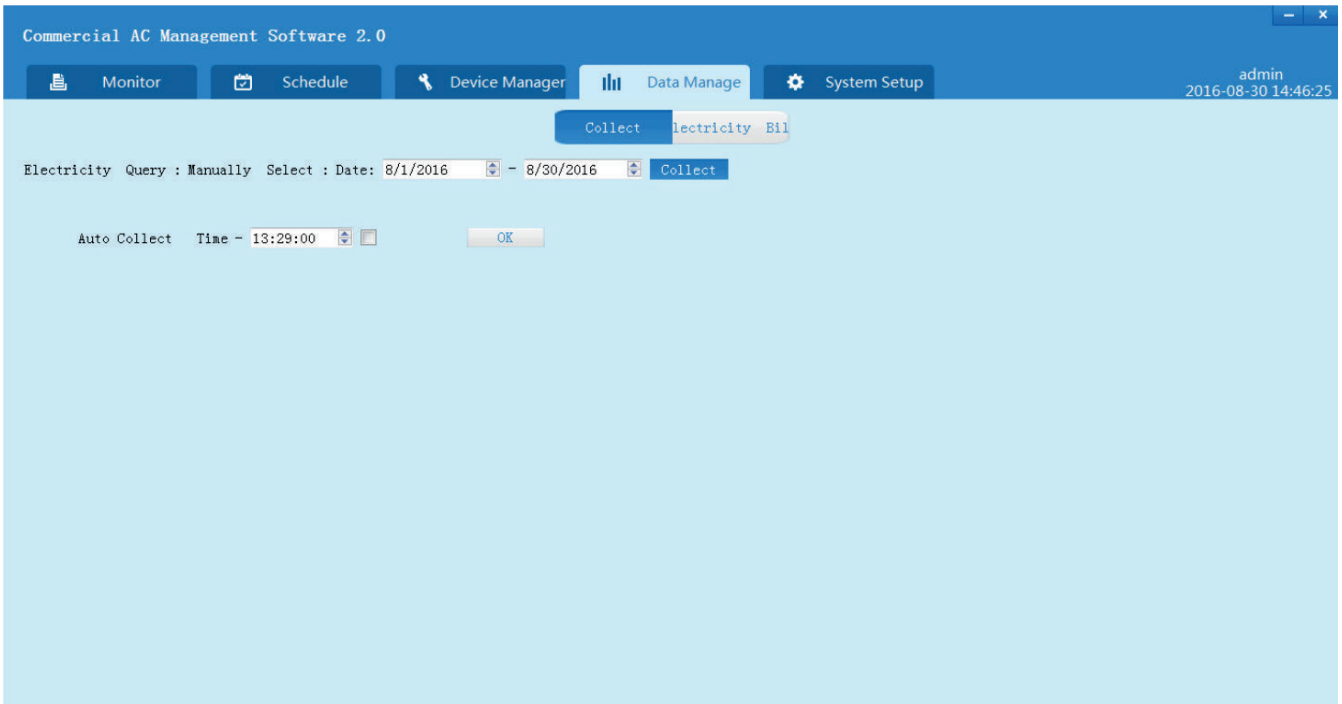
Réglez la valeur d'impulsion Cliquez sur « Download » pour activer le paramètre.



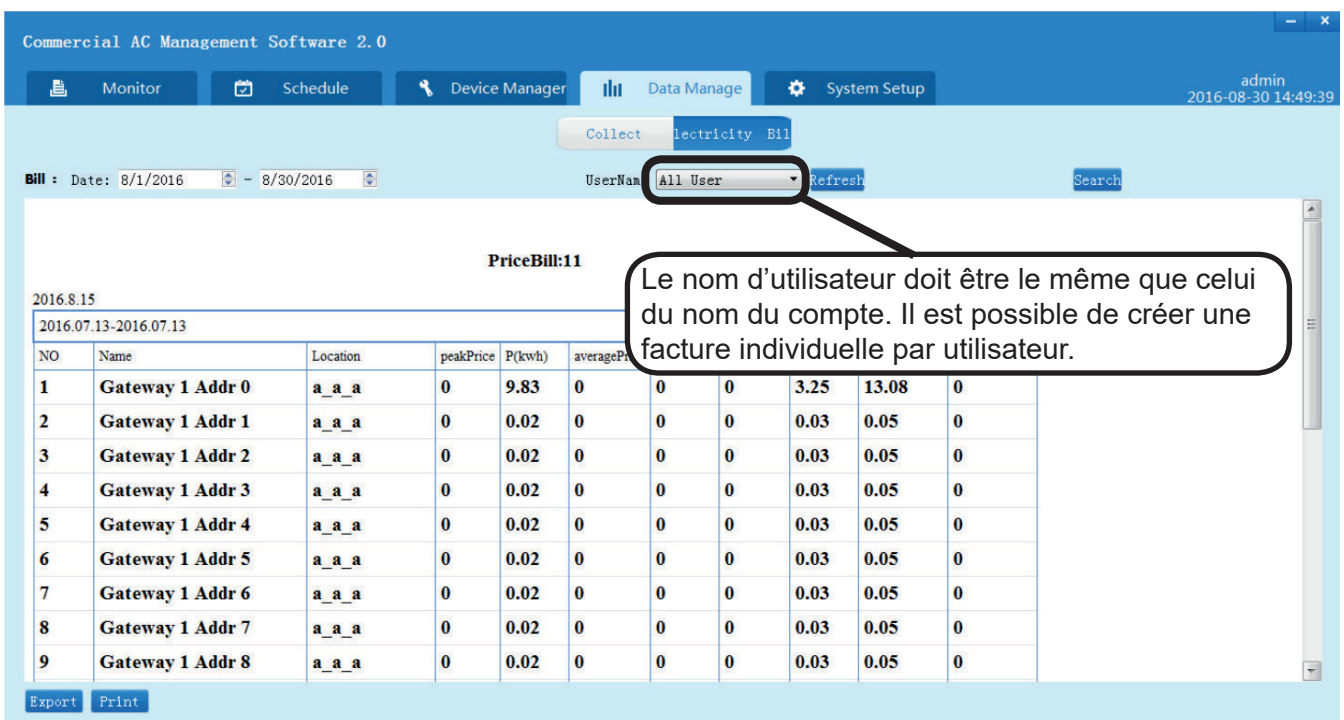
Collectez les données de consommation électrique à partir de l'onglet « Data Manage ». Définissez la plage horaire, puis cliquez sur « Collect ». La barre de progression de la collecte des données s'affiche à l'écran. Cliquez sur « Stop » pour interrompre l'opération.



Auto Collect (collecte automatique) : Définissez l'horaire de collecte automatique, cochez la case et cliquez sur « OK ». Vous pouvez collecter automatiquement les données de consommation électrique pendant la période définie. Décochez la case pour désactiver la collecte automatique. La collecte manuelle a une priorité plus élevée et prévaut sur les données collectées automatiquement.



Définissez la plage horaire et le nom d'utilisateur dans l'onglet « Electricity Bill » et cliquez sur « Search ». La facture électrique s'affiche à l'écran. Cliquez sur « Export » ou « Print » pour exporter ou imprimer la facture.



Journal d'exécution du système

1. Réglages de base



Langues : anglais et chinois sont disponibles

Révision de la date et de l'heure de la passerelle : la passerelle 40VCBM17FQEE enregistre la consommation électrique. Il est possible de sélectionner l'heure locale du PC ou la date et l'heure.

Unités de température : réglage des unités de température pour chaque interface. Les options sont Celsius ou Fahrenheit.

Réglage du port Modbus : une interface tierce fournit le service via le port série de l'ordinateur.



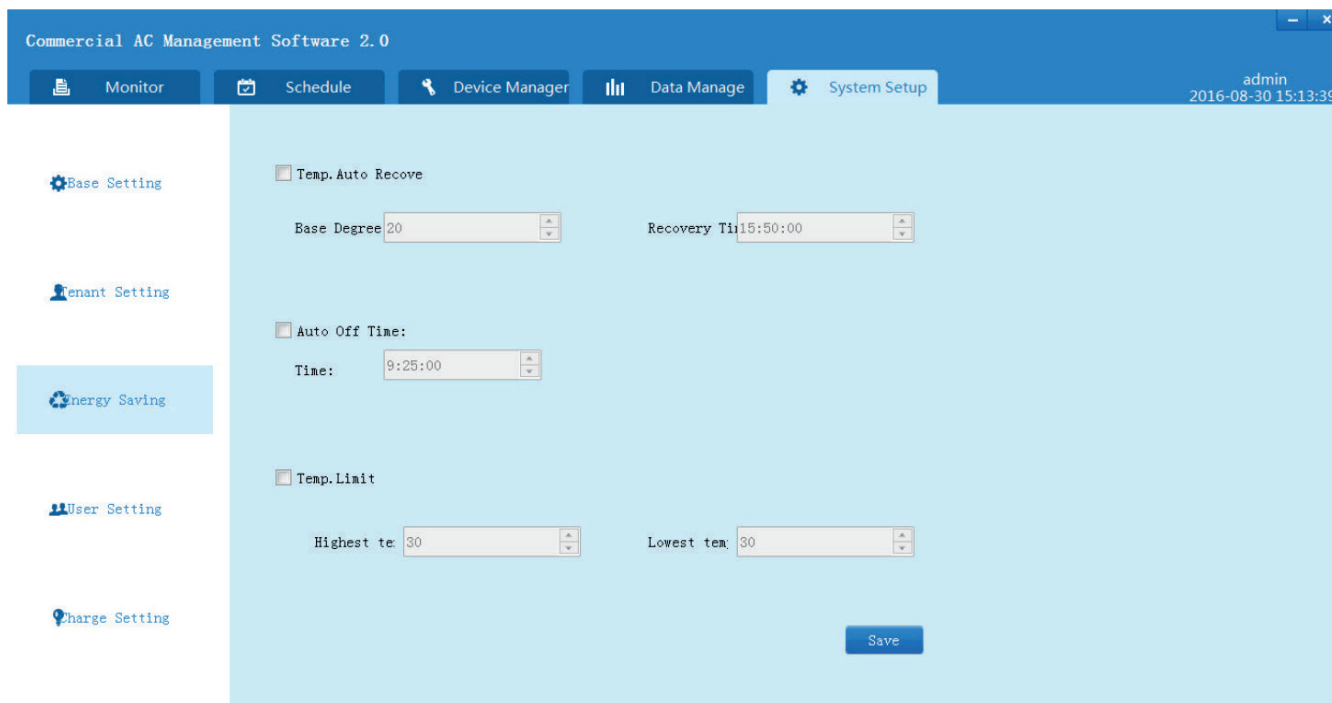
Connectez le port série 485 à l'ordinateur et sélectionnez le port correspondant dans l'interface de réglage de port, puis cliquez sur « Open Com » (activez le port com). Le logiciel tiers est en mesure de consulter et de commander les unités intérieures via ce port.

2. Réglage d'économie d'énergie :

Récupération automatique de la température : lorsque le système atteint le temps de récupération, la température de consigne devient automatiquement le « Base degree ».

Mise hors tension : l'appareil est mis hors tension à la date et à l'heure définies.

Limite de température : réglage d'une limite de température pour économiser l'énergie. La consigne de température ne doit pas excéder la température maximale en mode chauffage et ne doit pas être inférieure à la température la plus basse en mode refroidissement ou déshumidification.



Commercial AC Management Software 2.0

Monitor Schedule Device Manager Data Manage System Setup

admin
2016-08-30 15:13:39

Base Setting

Tenant Setting

Energy Saving

User Setting

Charge Setting

Temp. Auto Recove

Base Degree: 20 Recovery Time: 15:50:00

Auto Off Time:

Time: 9:25:00

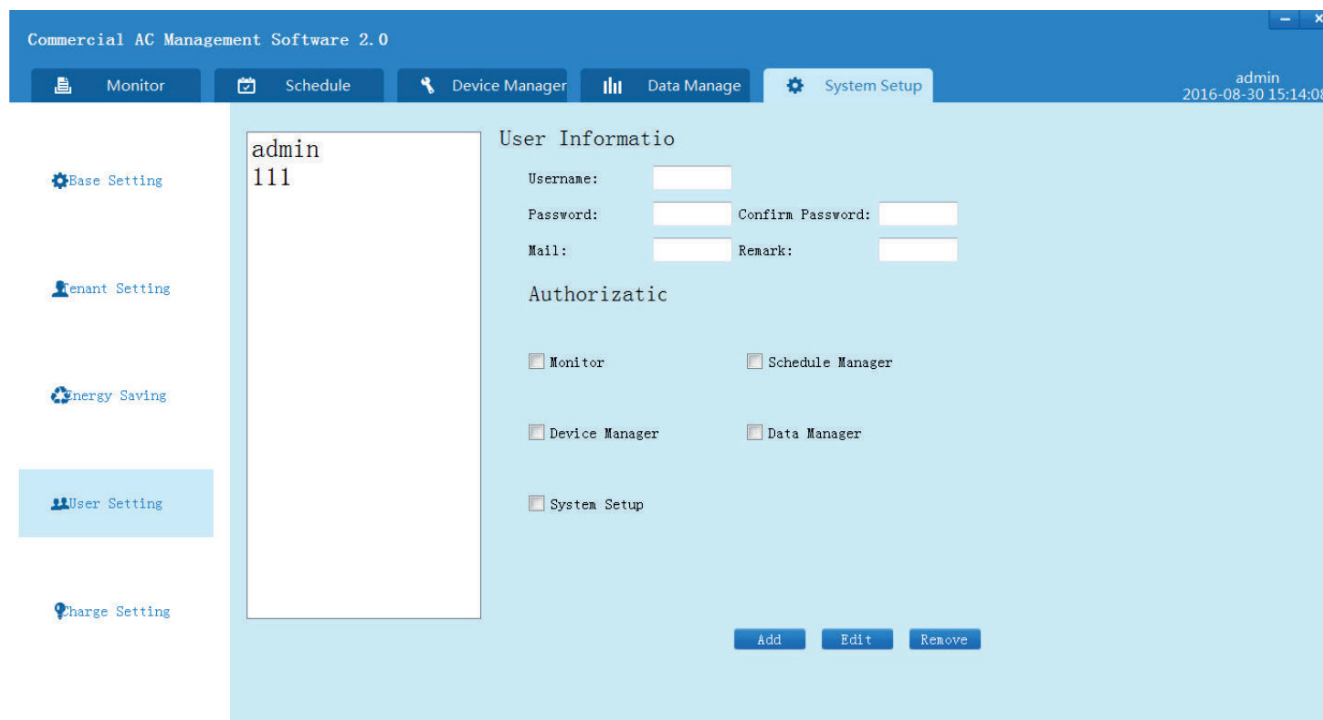
Temp. Limit

Highest tem: 30 Lowest tem: 30

Save

3. Gestion de l'utilisateur

Ajouter, modifier et supprimer les informations de l'utilisateur, notamment le nom d'utilisateur, le mot de passe, l'adresse électronique, les commentaires et les autorisations.





Turn to the experts

Le fabricant se réserve le droit de modifier les spécifications du produit sans préavis.

Informations conformes à la directive 2006/42/CE	
(Nom du fabricant)	Carrier SCS
(Adresse, ville, pays)	Route de Thil — 01120 Montluel — France



Turn to the experts



Betriebs- und Montageanleitung

MODELLBEZEICHNUNG

40VCB117FQEE

Nr. 0150545715

Edition: 2021-04



Inhalt

Kurze Einführung.....	1
System-Schaltplan	2
Software-Installation.....	7

Das BMS-System überträgt die Daten eines Klimageräts über den Wechselrichter-Protokolladapter (Gateway) an den Computer. Der Benutzer kann den Betriebszustand des Innen- und Außengeräts in Echtzeit über den Computer überwachen. Stellen Sie die Parameter des Systems in der Zeit ein; starten oder stoppen Sie Innengeräte einzeln oder in der Gruppe nach Bedarf. Empfangen Sie Alarmer und ergreifen Sie einige Maßnahmen in Echtzeit.

Erforderliche Geräte für das 40VCB117FQEE-System

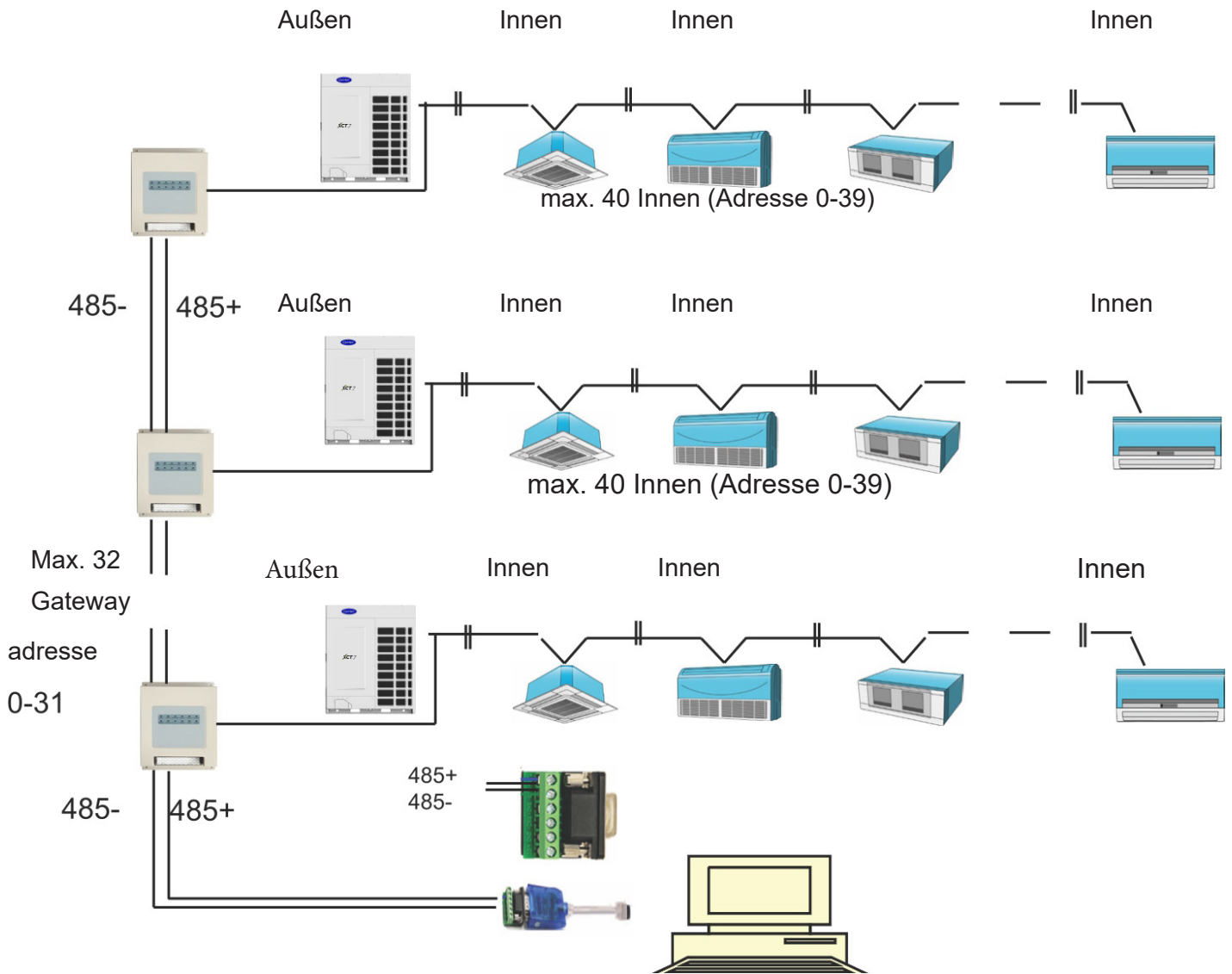
1. Gateway: Stellen Sie das Protokoll der Klimaanlage auf das 485-Protokoll um.
2. Software: Aktivieren Sie, dass die AC-Parameter vom Computer gesehen und gesteuert werden können. Auf jedem Computer kann nur eine Software installiert werden.
3. Adapter: USB zu RS-485, konvertiert 485 zu USB.
4. Gateway: 40VCCR17FQEE, 40VCBM17FQEE.

Steuerbare Skalierung

1. Maximal 40 (0-39) Innengeräte können an ein Kühlsystem angeschlossen werden.
2. Jedes Kühlsystem benötigt einen Protokolladapter und ein Gateway.
3. Es können maximal 32 Gateways über eine Software angeschlossen werden. Maximal 512 Innengeräte können über eine Software gesteuert werden.
4. Während der Installation der Software steuert das System entweder maximal 32 Gateways oder 512 Inneneinheiten auf einmal. Es blockiert das weitere Hinzufügen von Gateways oder Inneneinheiten zum System.

Zum Beispiel,

- Die Software (40VCB117FQEE) wurde mit 32 Gateways und 200 Inneneinheiten verbunden. Es kann kein weiteres Gateway hinzugefügt werden.
- Die Software (40VCB117FQEE) wurde mit 512 Inneneinheiten und 20 Gateways verbunden. Es können keine weiteren Innengeräte hinzugefügt werden, obwohl die Software noch 12 weitere Gateways hinzufügen kann.

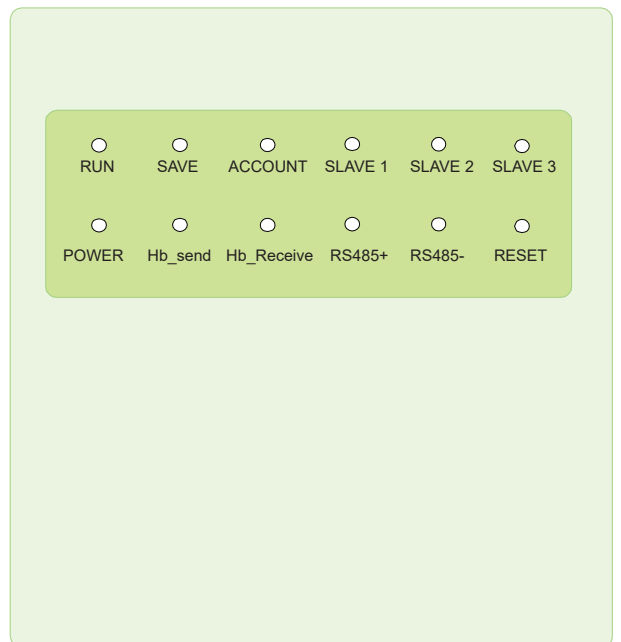


Aussehen und Abmessung des Protokolladapters

Aussehen:



Abmessung: 200*130*43 (mm)



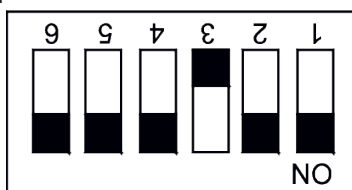
Anforderungen Verdrahtung

1. Der Protokolladapter benötigt eine 220 V AC-Stromversorgung.
2. Die Kommunikationsleitung zwischen Innen- und Außenbereich und Busleitung 485 zwischen den Protokolladaptern muss durch eine Stahldrahthülse im H-CACSII verlegt werden.
3. Stellen Sie die zentrale Adresse des Innengeräts und die Adresse der Innen-/Außeneinheit manuell ein.
4. Das System mit H-CACSII darf die Gruppenfunktion der verdrahteten Steuerung nicht einstellen.

DIP-Schalter Einstellung:

EIN: 0 AUS: 1

Links 4

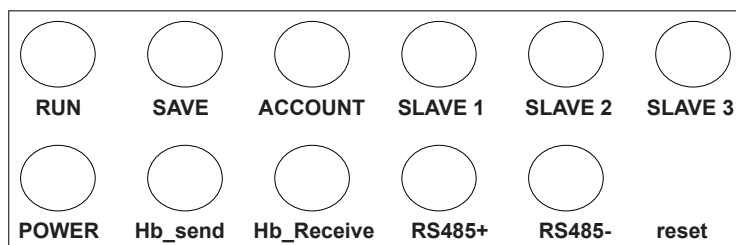


Rechts 8

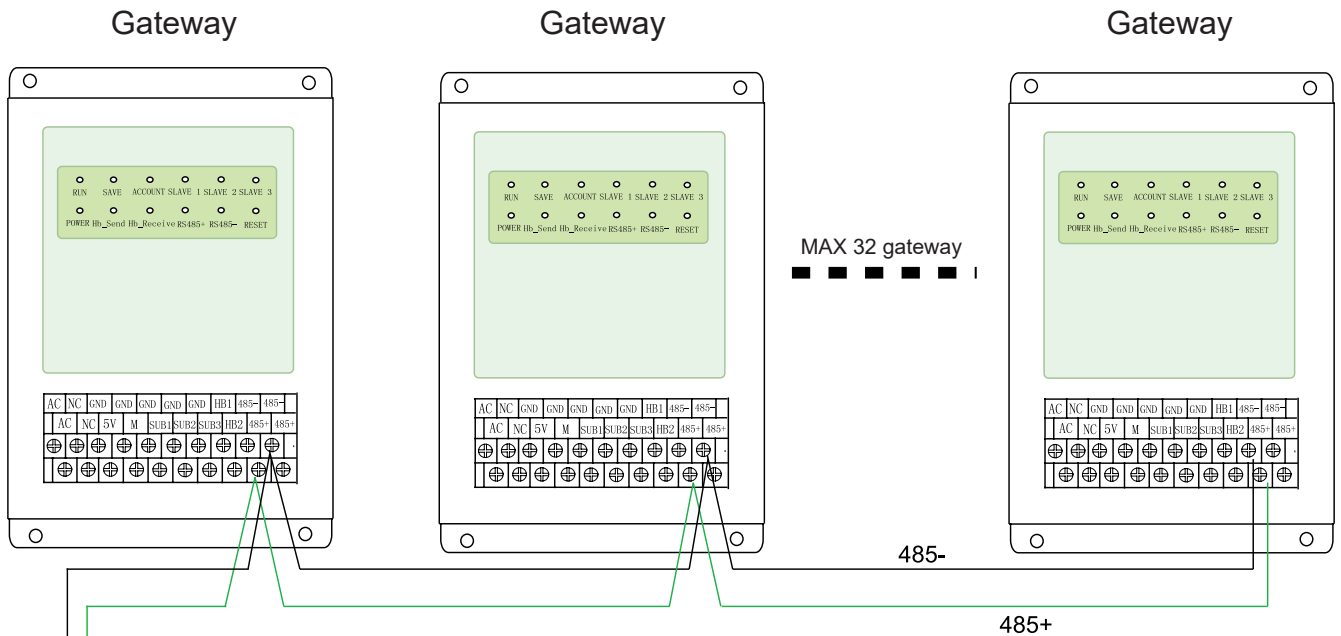
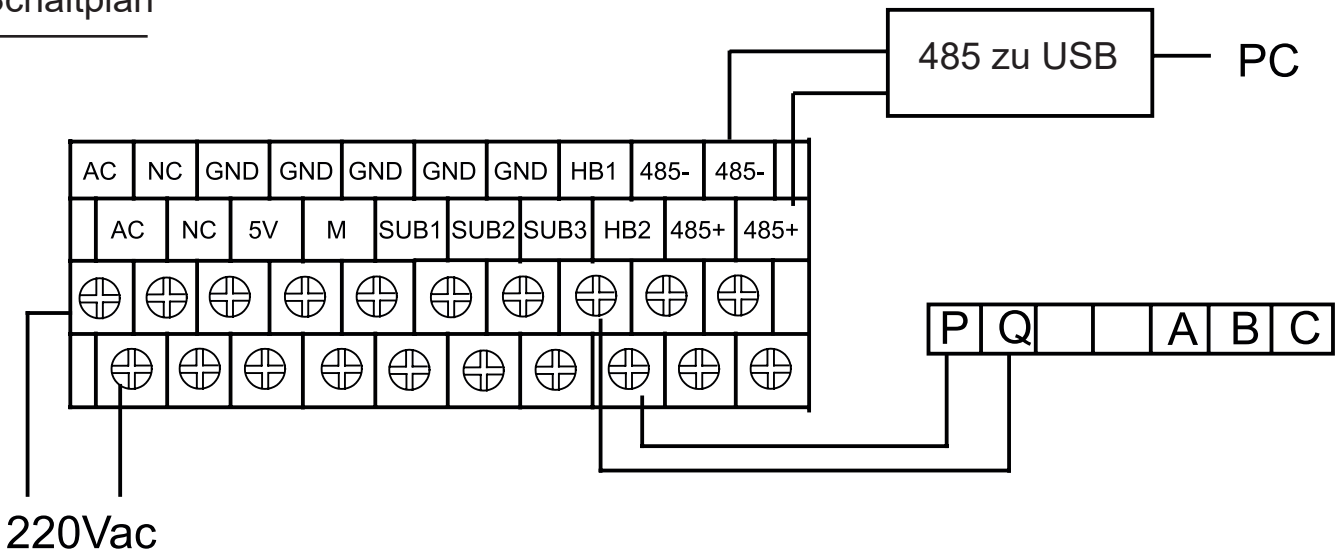


Zeigt die Adresse von 40VCBM17FQEE, Adressbereich: 1-32.

Definition der Kommunikationslampe:



Schaltplan



Adapter: RS-485 zu USB

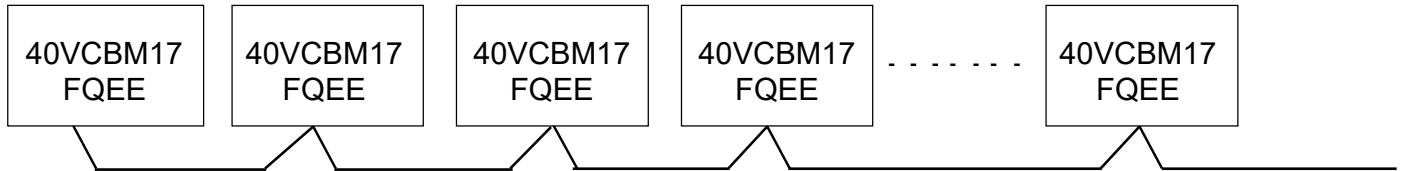
Verdrahtung:

1. Stromversorgungsdrähte: 220 V AC, 50 Hz.

Halten Sie sich an die geforderten Spezifikationen und befestigen Sie die Anschlüsse fest.

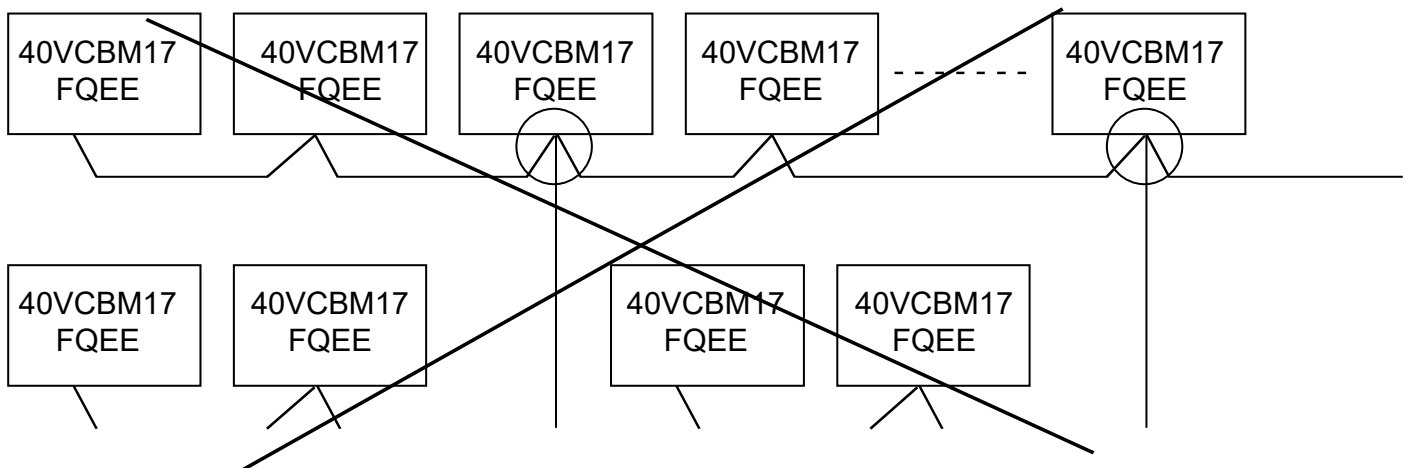
2. Kommunikationsleitungen:

Für die Verdrahtung des 40VCBM17FQEE müssen zwei gepolte Drähte und eine Schleifenverbindung verwendet werden.



Warnung:

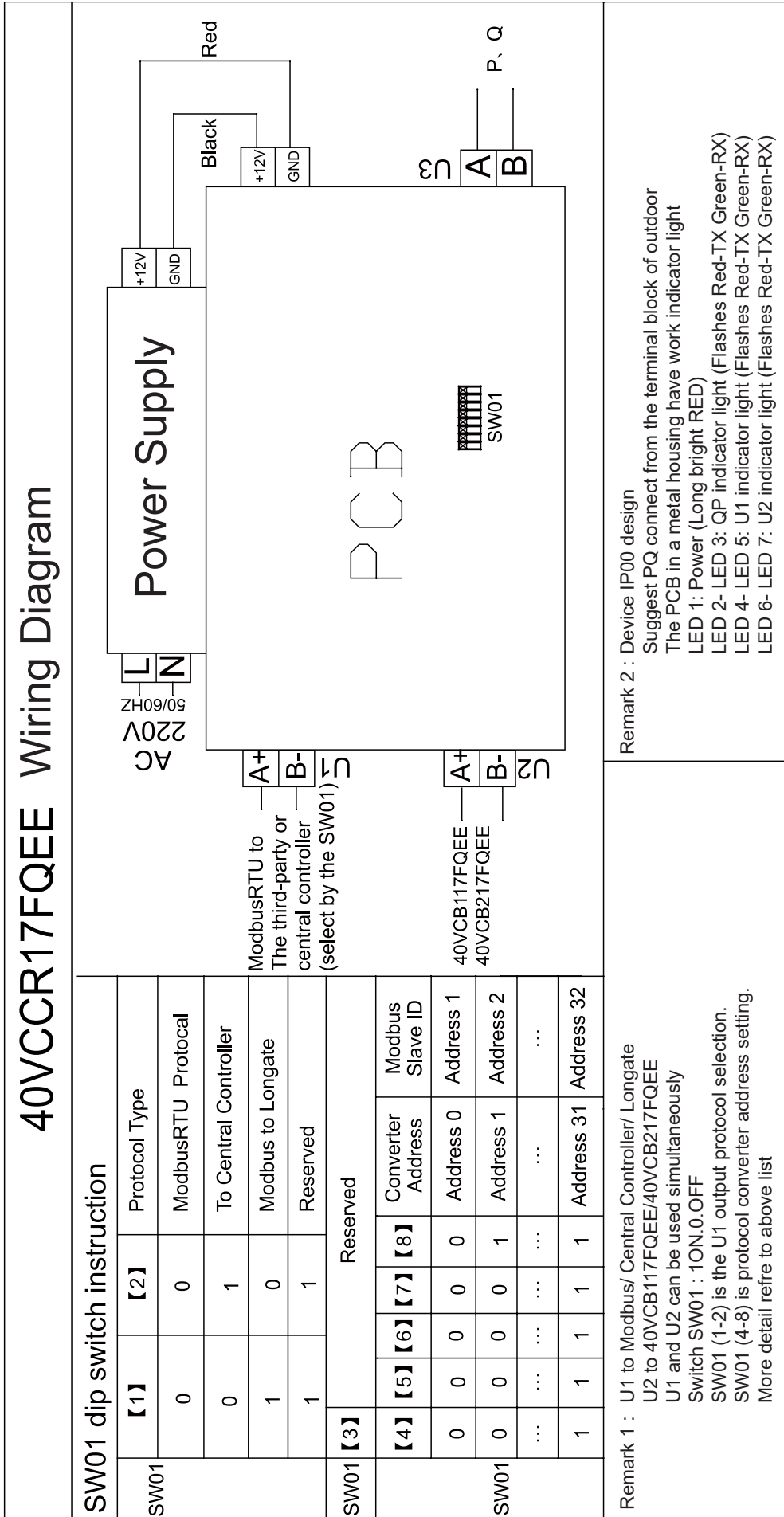
Die folgenden Verbindungen (mit Zusammenschaltung) sind nicht erlaubt:



Deutsch

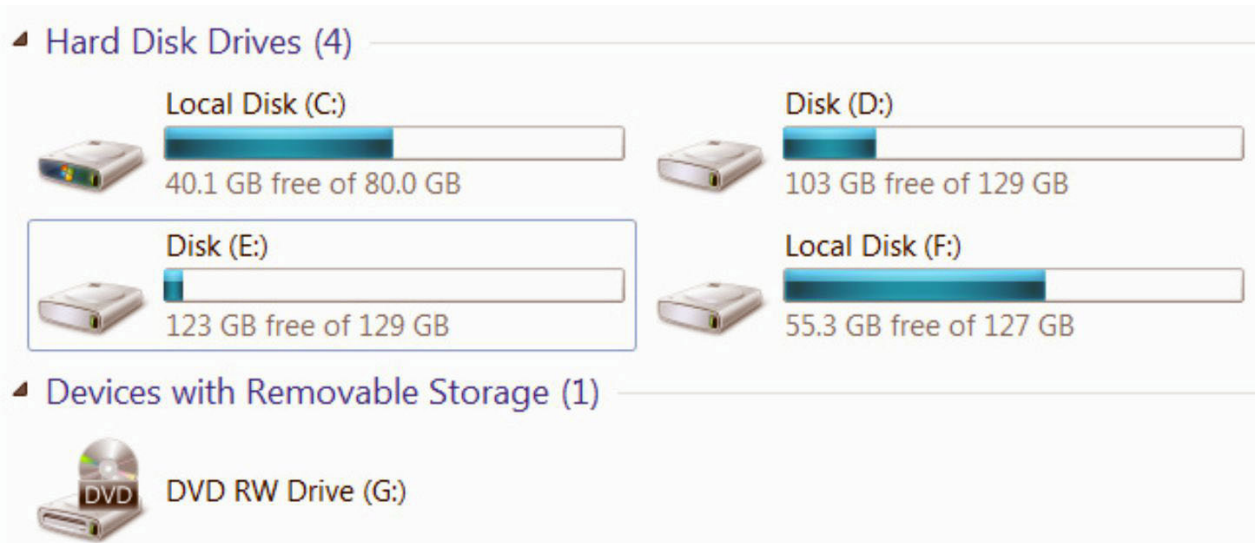
Hinweise:

- (1) Kommunikationsleitungen zwischen 40VCBM17FQEE und 40VCBM17FQEE müssen aus zweidrähtigen abgeschirmten Drähten bestehen und geerdet sein.
- (2) Bei der Installation der Kommunikationsdrähte muss eine eiserne Adernhülle verwendet werden, die von den Stromkabeln getrennt sein muss.
- (3) Kommunikationsdrähte sind polaritätsempfindlich
- (4) Die Gesamtlänge der Kommunikationsdrähte darf maximal 500 m betragen.
3. Zu jedem Außensystem dürfen maximal 40 Innengeräte verwendet werden;
4. Wenn Sie das 40VCBM17FQEE verwenden, stellen Sie die Adresse der Innengeräte manuell von Nr. 0 bis zur letzten in jedem Außengerätesystem ein. Behalten Sie die gleiche Adresse der Innen- und Außeneinheit (sw03) und die Zentraladresse (sw02) der gleichen Inneneinheit bei.
5. Die Leitung zwischen Innen- und Außengerät, die Leitung zwischen Gateway und Gateway und die Impulsleitung sollten mindestens 20 cm von Hochspannungsleitungen entfernt sein.



Installieren Sie die Datenbank

1. Legen Sie die CD in das CD-ROM-Laufwerk ein. Doppelklicken Sie auf das Symbol (wie abgebildet):



2. Die CD enthält mehrere Treiberdateien für verschiedene Computersysteme.

Name	Date modified	Type
Linux x64 (64-bit)	2016/4/19 16:36	File folder
Linux x86 (32-bit)	2016/4/19 16:36	File folder
Linux x86_64	2016/4/19 16:36	File folder
Mac OS 8 9	2016/4/19 16:36	File folder
Mac OS X 10.9 and above	2016/4/19 16:36	File folder
uninstall software	2016/4/19 16:36	File folder
win xp server2003 2008 2012 Vista 7 8 8.1 10 32-64bit	2016/4/19 16:36	File folder
win98 ME	2016/4/19 16:36	File folder
Date created: 2016/10/9 17:28 Size: 656 KB Folders: 232, 2232	2016/4/19 16:36	File folder
Windows CE 4.2-5.2 Mobile 5 6 PocketPC 2003 ARM XScale Processor	2016/4/19 16:36	File folder
Windows CE 6.0 ARM XScale Processor	2016/4/19 16:36	File folder
Windows CE 6.0 x86 Processor	2016/4/19 16:36	File folder
Windows CE 2013	2016/4/19 16:36	File folder
LINUX README.txt	2016/4/19 16:36	Text Document

3. Wählen Sie den entsprechenden Treiber für Ihren Computer. Nehmen Sie z. B. win7 32bits. Doppelklicken Sie

win xp server2003 2008 2012 Vista 7 8 8.1 10 32-64bit	2016/4/19 16:36	File folder
---	-----------------	-------------

Und es wird angezeigt

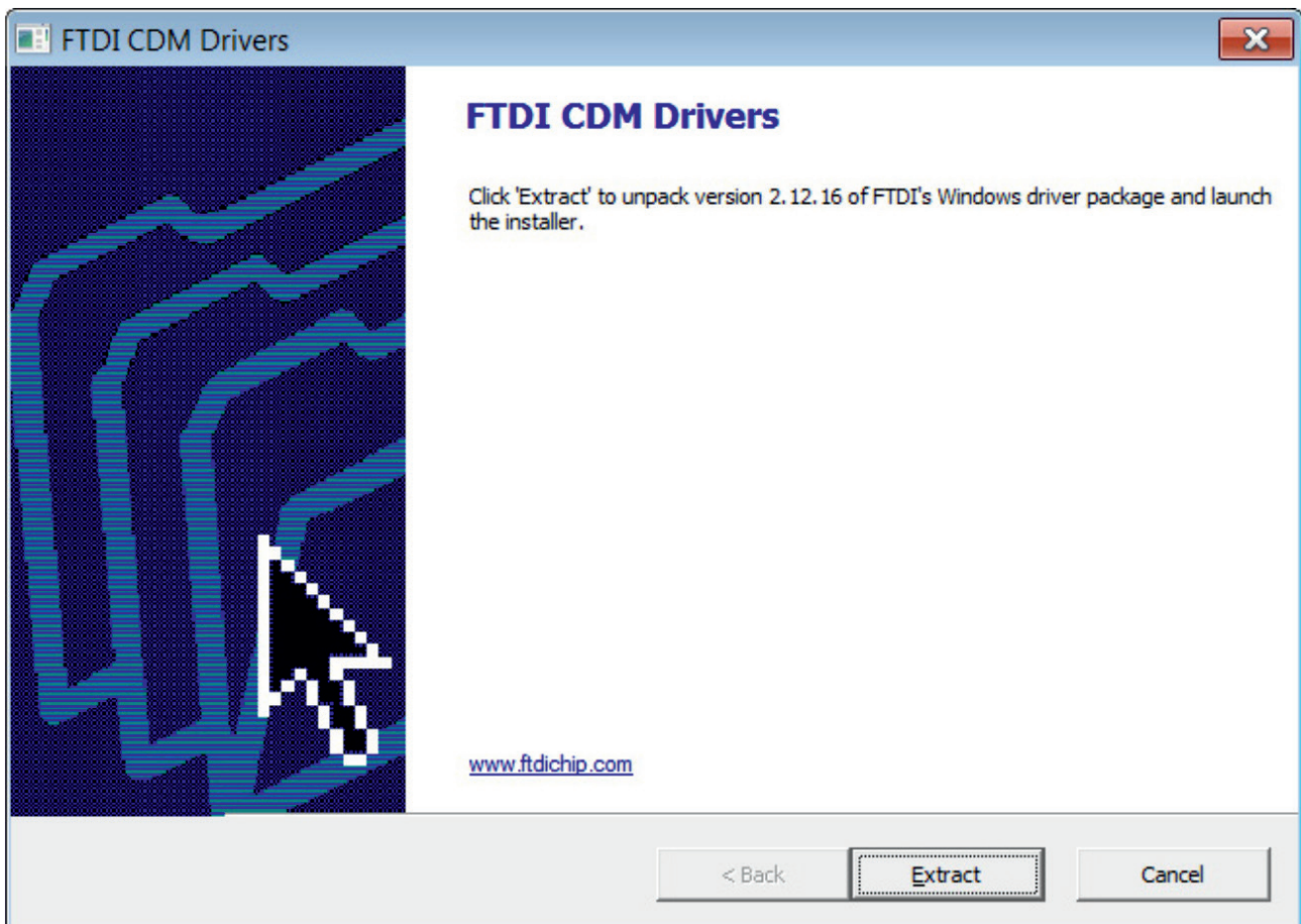
amd64	2016/4/19 16:36	File folder	
i386	2016/4/19 16:36	File folder	
Static	2016/4/19 16:36	File folder	
CDM 2 12 16 Release Info.rtf	2016/4/19 16:36	RTF 格式	216 KB
CDM v2.12.16 WHQL Certified.zip	2016/4/19 16:36	好压 ZIP 压缩文件	1,322 KB
CDM21216_Setup.exe	2016/4/19 16:36	Application	2,075 KB
CDM21216_Setup.rar	2016/4/19 16:36	好压 RAR 压缩文件	2,021 KB
ftd2xx.h	2016/4/19 16:36	H File	40 KB
ftdibus.cat	2016/4/19 16:36	Security Catalog	15 KB
ftdibus.inf	2016/4/19 16:36	Setup Information	18 KB
ftdiport.cat	2016/4/19 16:36	Security Catalog	14 KB
ftdiport.inf	2016/4/19 16:36	Setup Information	15 KB

Type: Security Catalog
Size: 13.3 KB

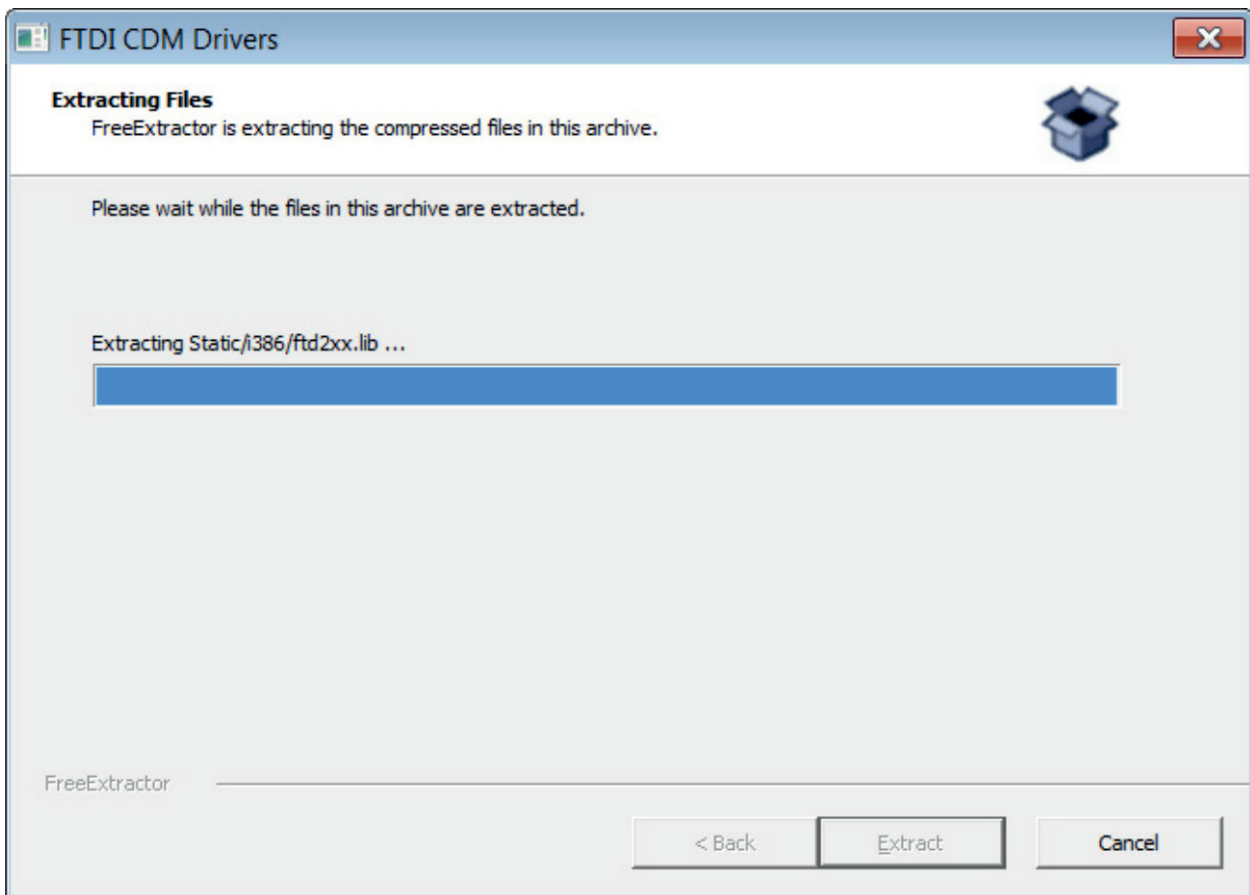
4. Doppelklicken Sie auf

CDM21216_Setup.exe	2016/4/19 16:36	Application	2,075 KB
---------------------------	-----------------	-------------	----------

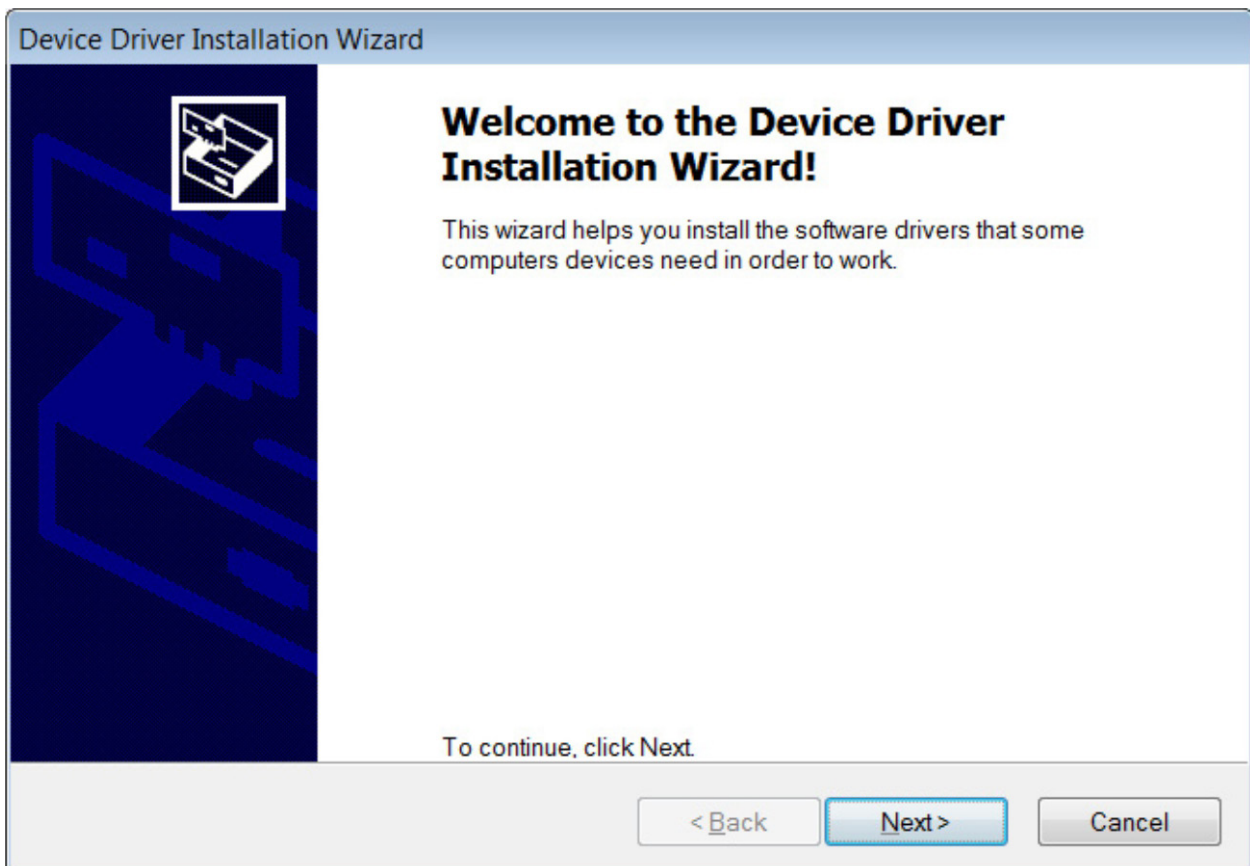
5. Die Installation beginnt sogleich. Klicken Sie auf die Registerkarte "Extrahieren (Extract)"



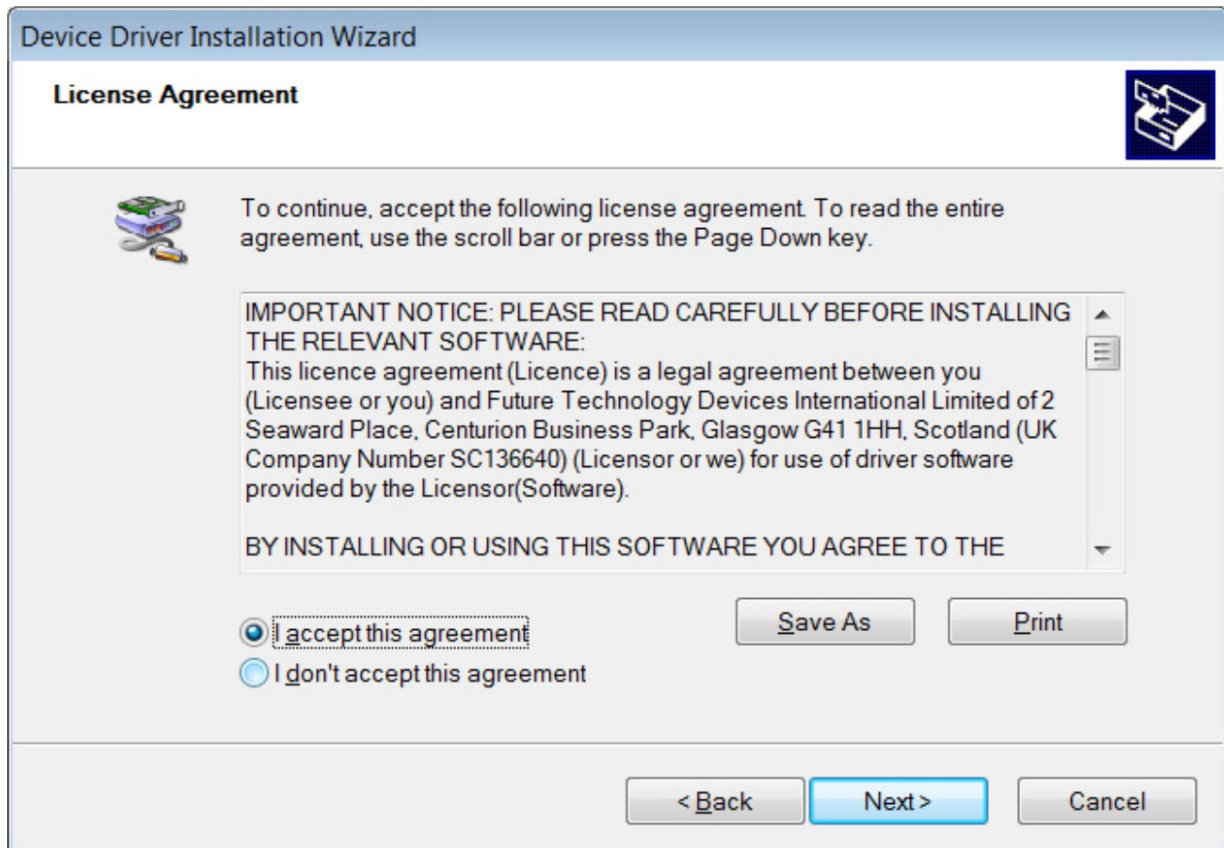
6. Die Treiberinstallation wird durchgeführt



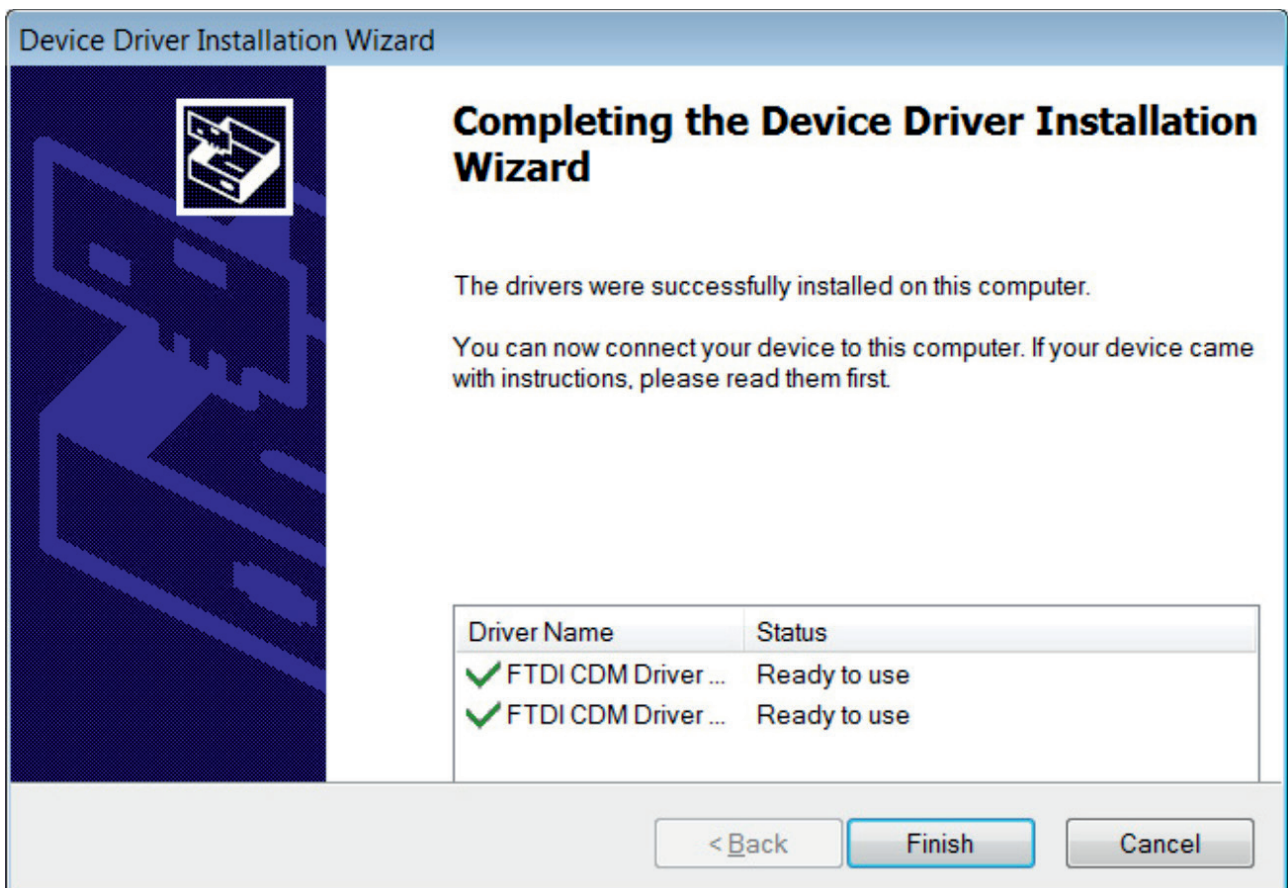
7. Klicken Sie auf die Registerkarte "Weiter (Next)"



8. Klicken Sie dann auf **accept this agreement** und dann auf die Registerkarte "Weiter (Next)"

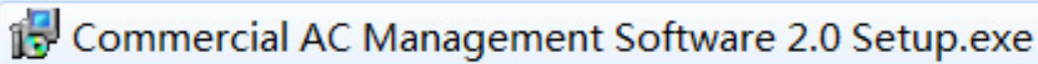


9. Klicken Sie auf die Registerkarte "Fertigstellen (Finish)", nachdem der Treiber installiert wurde.

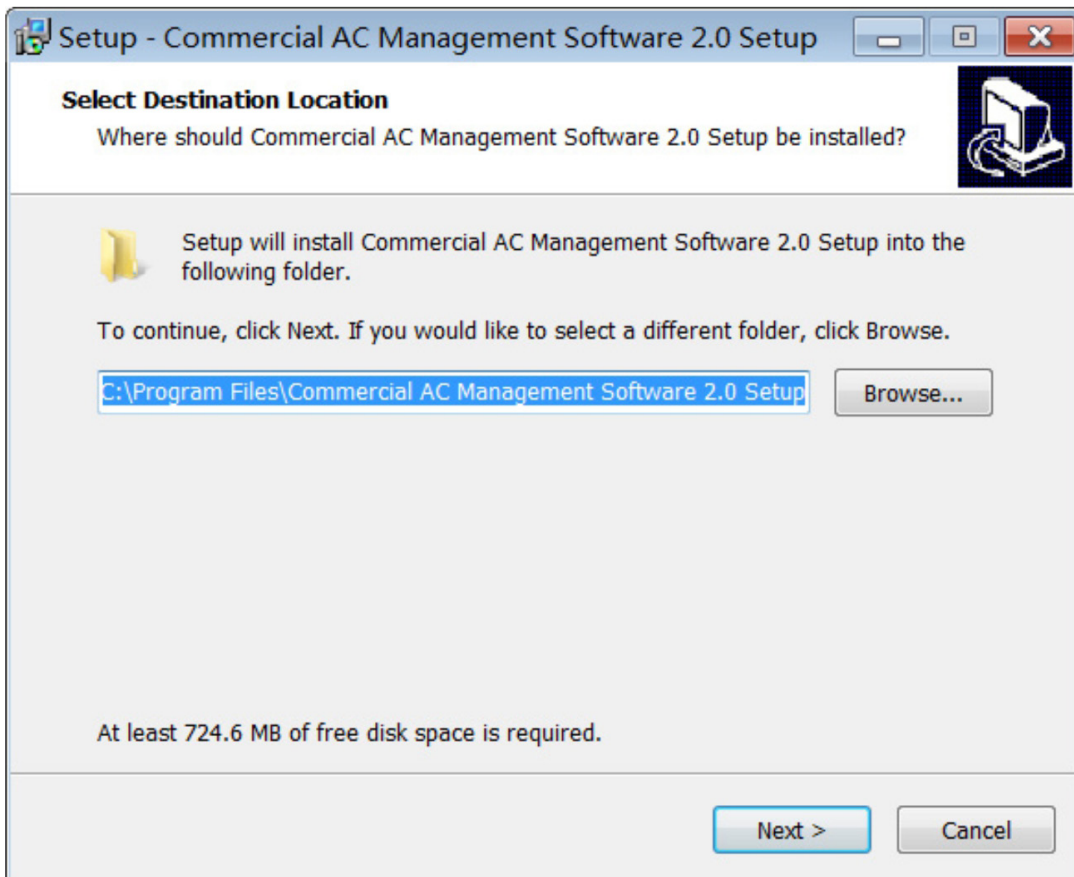


Installation und Start der Verwaltungssoftware

1. Installation der Verwaltungssoftware



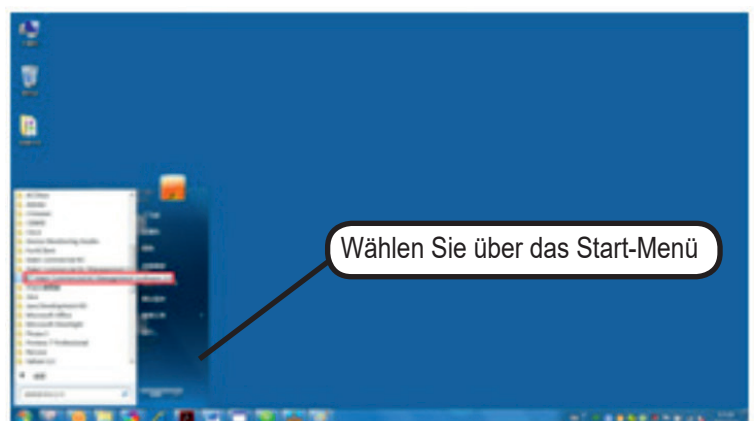
Starten Sie die Installation mit einem Doppelklick und drücken Sie dann die Registerkarte "Weiter (Next)", um die Installation abzuschließen.



Deutsch

2. Start

Doppelklicken Sie auf das Symbol „Commercial AC Management Software 2.0“ auf dem Desktop oder wählen Sie „Commercial AC Management Software 2.0“ über das Start-Menü.



Für die erstmalige Ausführung ist eine Registrierung erforderlich.

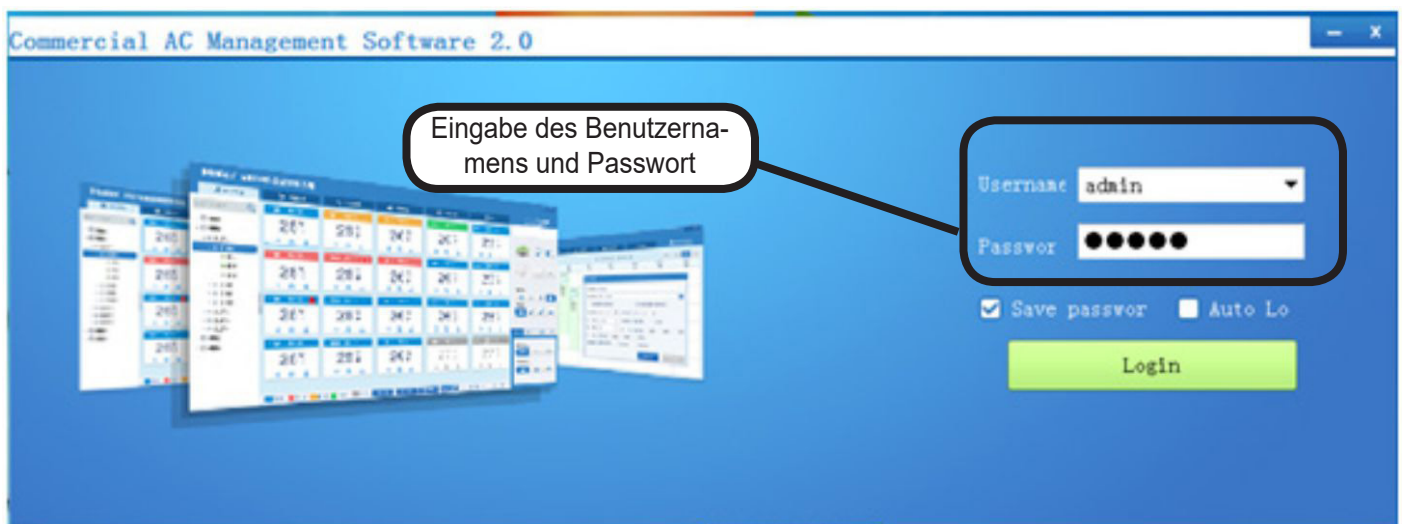


Klicken Sie auf „SN generieren (Generate SN)“, um den SN-Code zu generieren und ihn dann an den Techniker zu senden, um die Datei „license.dat“ zu erhalten. Nachdem Sie die Datei „license.dat“ erhalten haben, kopieren Sie sie in das Installationsverzeichnis, um die vorherige Datei „license.dat“ zu überschreiben. Schließen Sie das Softwareprogramm und starten Sie es anschließend neu, damit das Softwareprogramm ordnungsgemäß funktioniert.

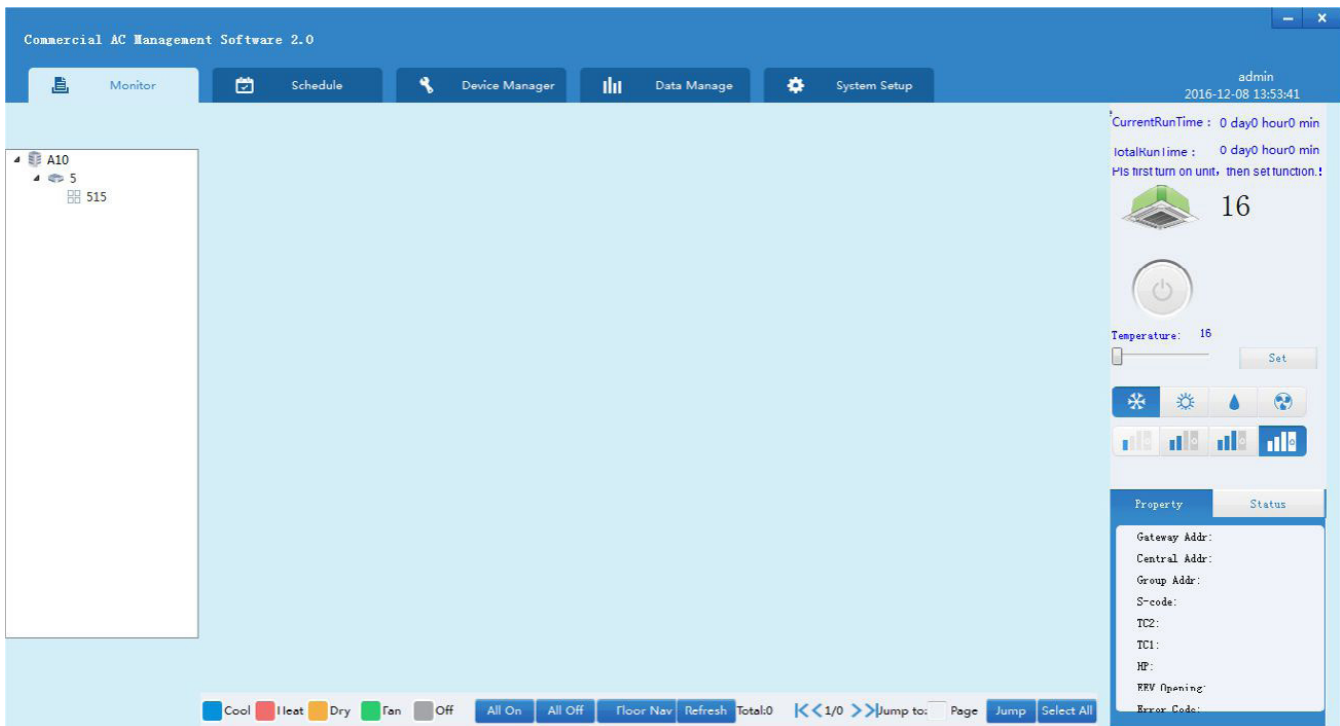
Geben Sie den Benutzernamen und das Passwort in das Anmeldefenster ein.

Benutzername: admin (Standard)

Passwort: 12345 (Standard)



Nachdem Sie den Benutzernamen und das Passwort eingegeben haben, klicken Sie auf „Login“, um die Hauptoberfläche zu öffnen, wie im folgenden Bild gezeigt.

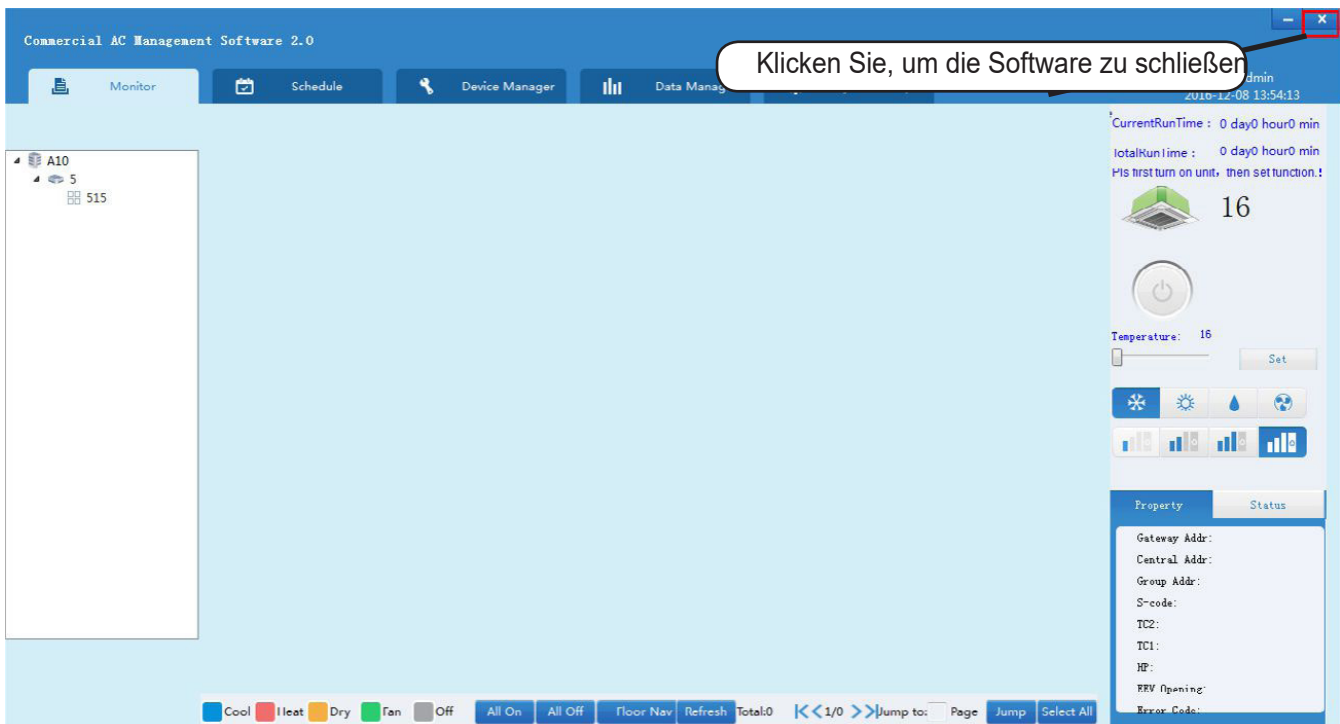


3. Stoppen Sie das Softwareprogramm

Wenn Sie den Computer ausschalten, führen Sie zwei Schritte aus:

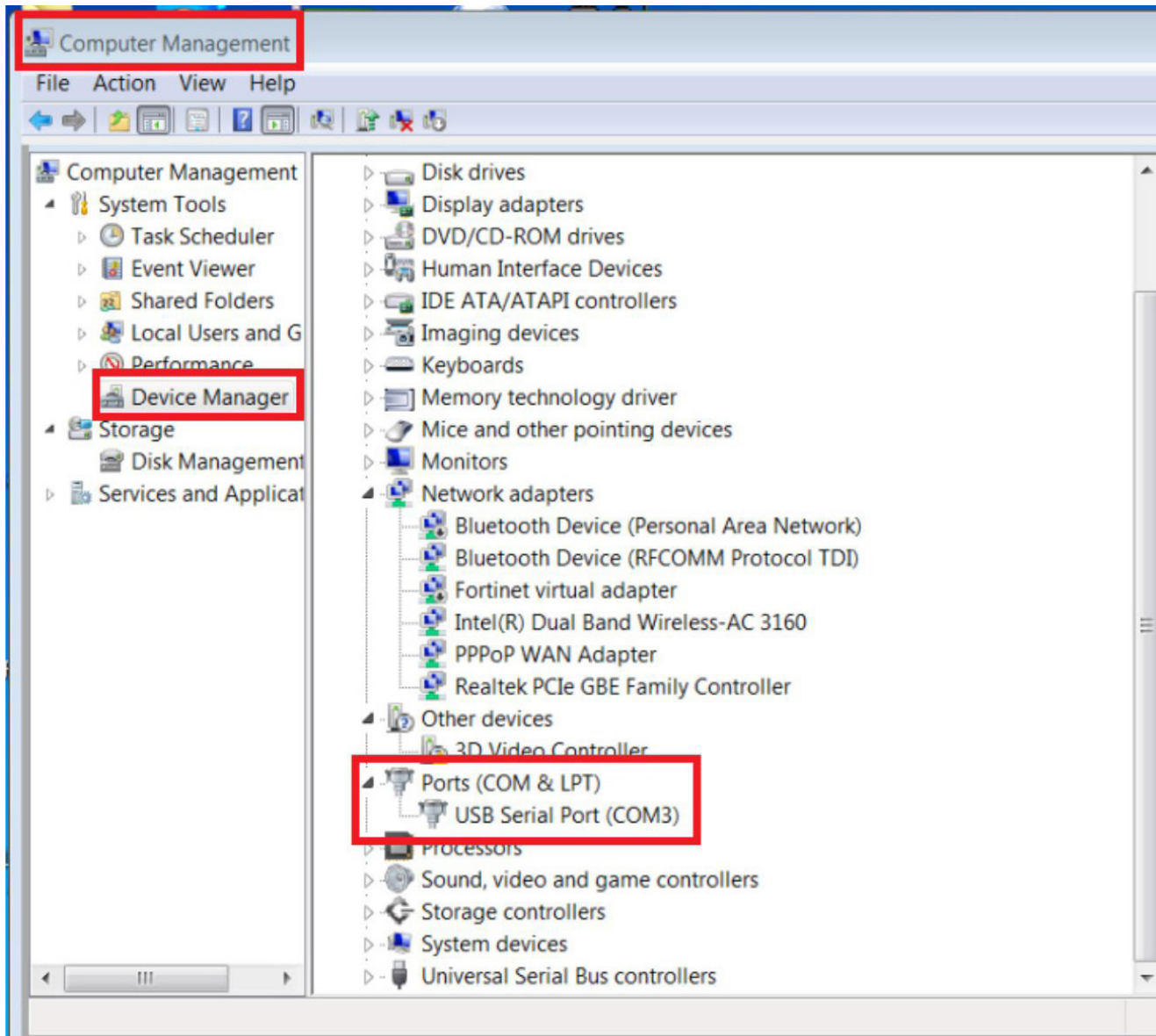
- ① Beenden Sie „Commercial AC Management Software 2.0“ & schließen Sie
- ② dann Windows

Klicken Sie vor dem Beenden der „Commercial AC Management Software 2.0“ auf das „X“ in der oberen rechten Ecke der Hauptoberfläche und beenden Sie dann Windows.



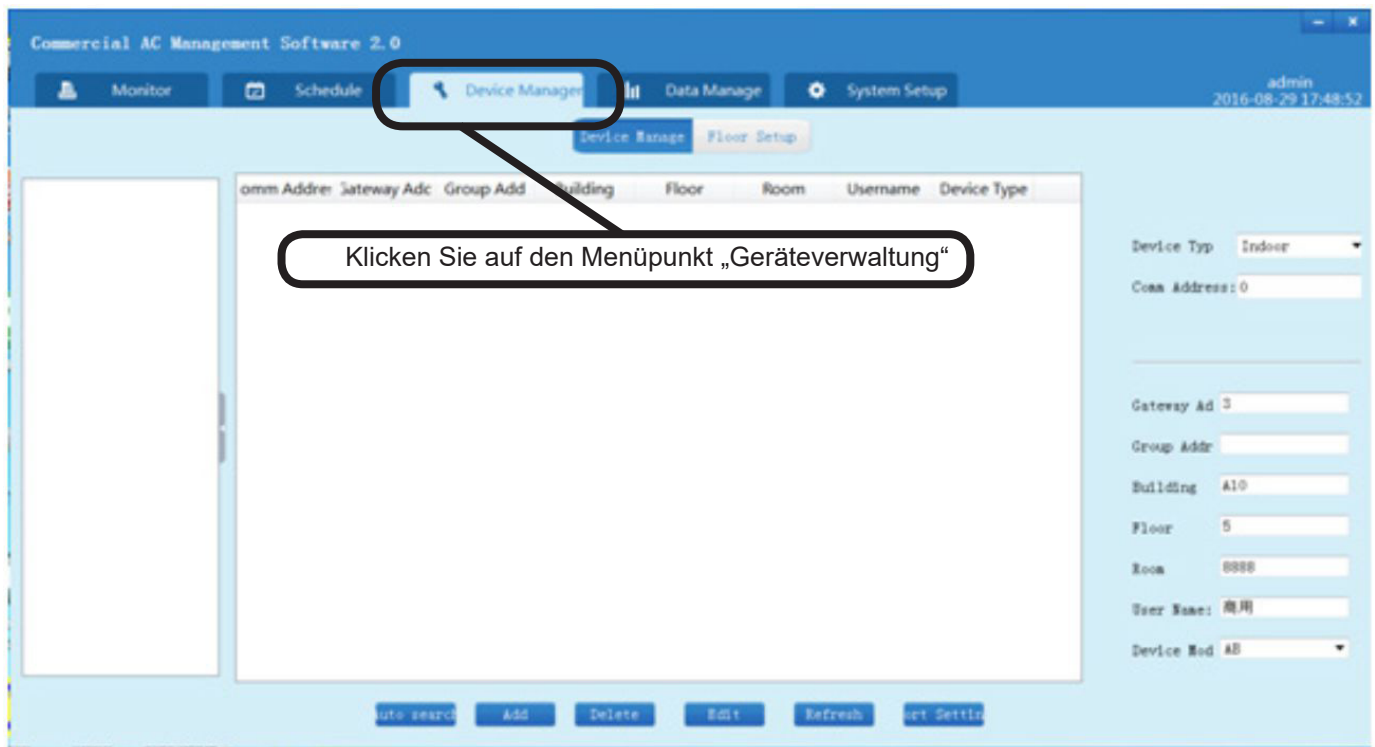
Einstellung des Kommunikationsports

1. Stellen Sie die Port-Nr. entsprechend dem verifizierten angeschlossenen Port ein. Überprüfen Sie die tatsächliche Port-Nr. im Management-Device Manager des Computers.

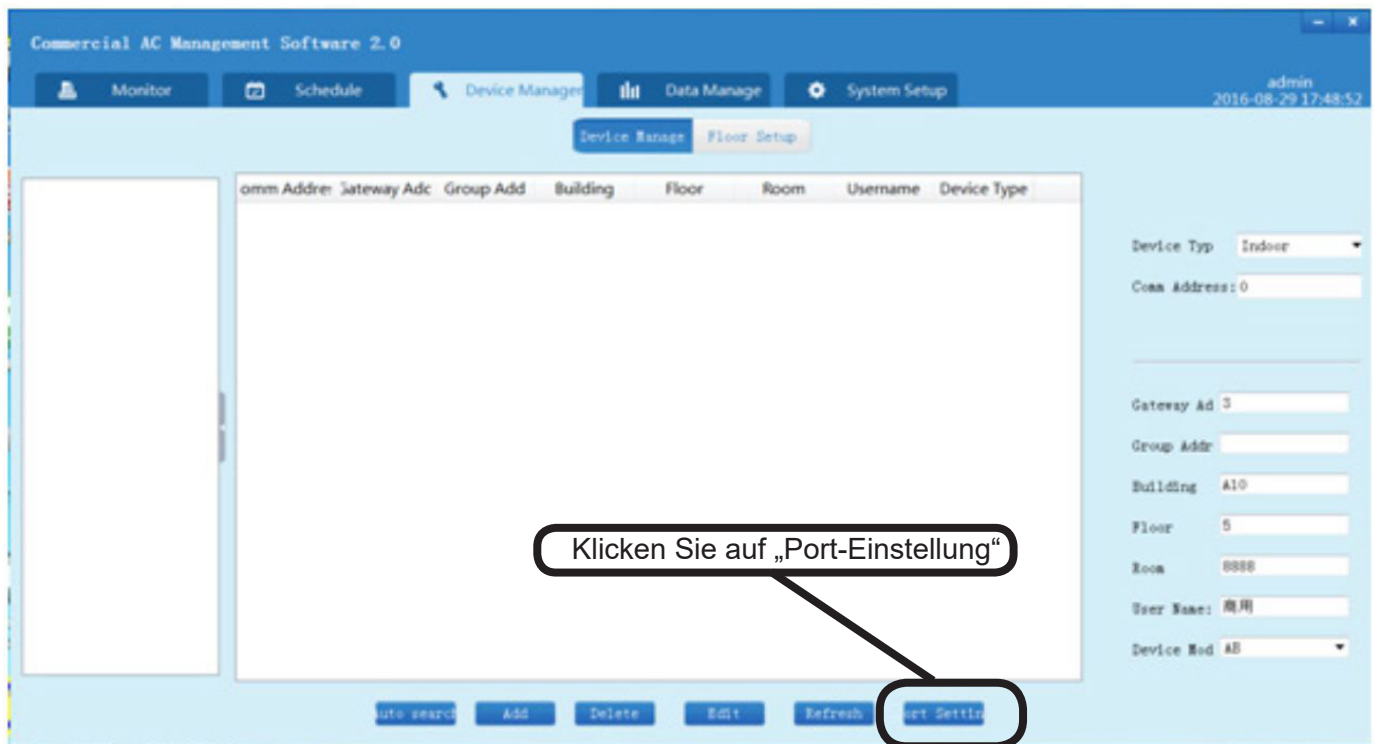


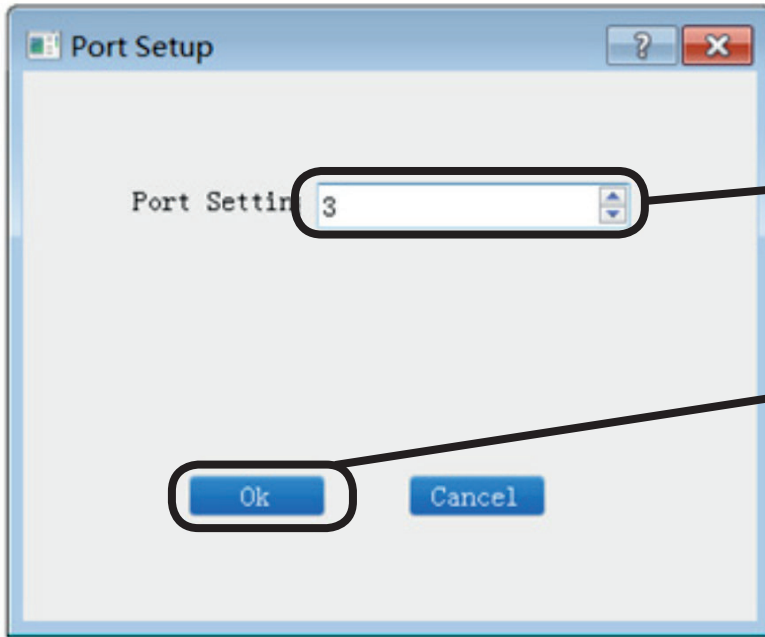
Wie im obigen Bild gezeigt, ist der angeschlossene Port COM3, die entsprechende Port-Nr. ist also 3.

2. Klicken Sie im Menü auf die Registerkarte „Geräteverwaltung“



3. Klicken Sie unten rechts auf die Registerkarte „Port-Einstellung“.

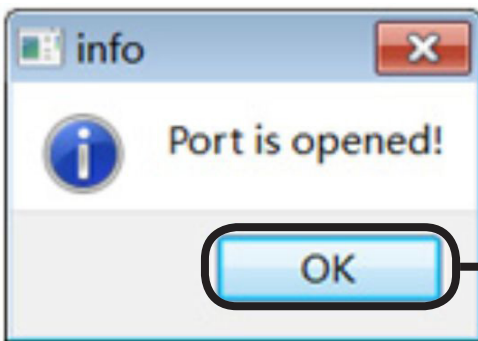




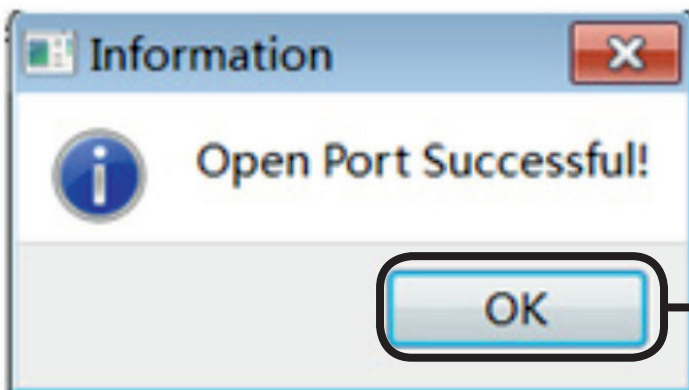
Geben Sie die Port-Nr. des Computers ein
Wenn es sich um COM3 handelt, geben Sie
die Port-Nr. als 3 ein

Drücken Sie „OK“, um die Einstellung
zu beenden und „Abbrechen“, um die
Einstellung abzubrechen

4. Geben Sie die Port-Nr. in das Dialogfeld ein. Wenn es z. B. COM3 ist, geben Sie Nr. „3“ ein. Klicken Sie auf „OK“ und es erscheint ein neues Dialogfeld, das anzeigt, dass die serielle Schnittstelle geöffnet ist. Klicken Sie auf „OK“ und nach 3 Sek. erscheint ein weiteres Dialogfeld, das anzeigt, dass die serielle Schnittstelle erfolgreich geöffnet wurde. Klicken Sie auf „OK“, um die Port-Einstellung abzuschließen.

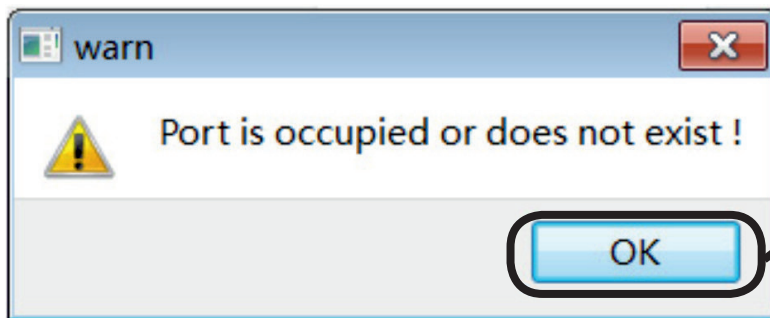


Klicken Sie auf „OK“. Nachdem das Fenster
verschwunden ist, warten Sie.



Klicken Sie auf „OK“. Sobald das
Fenster verschwindet, fahren Sie
mit dem Betrieb fort.

5. Wenn die Port-Einstellung falsch ist, erscheint die Warnung „Port ist belegt oder existiert nicht“. Bitte stellen Sie ihn wieder ein.



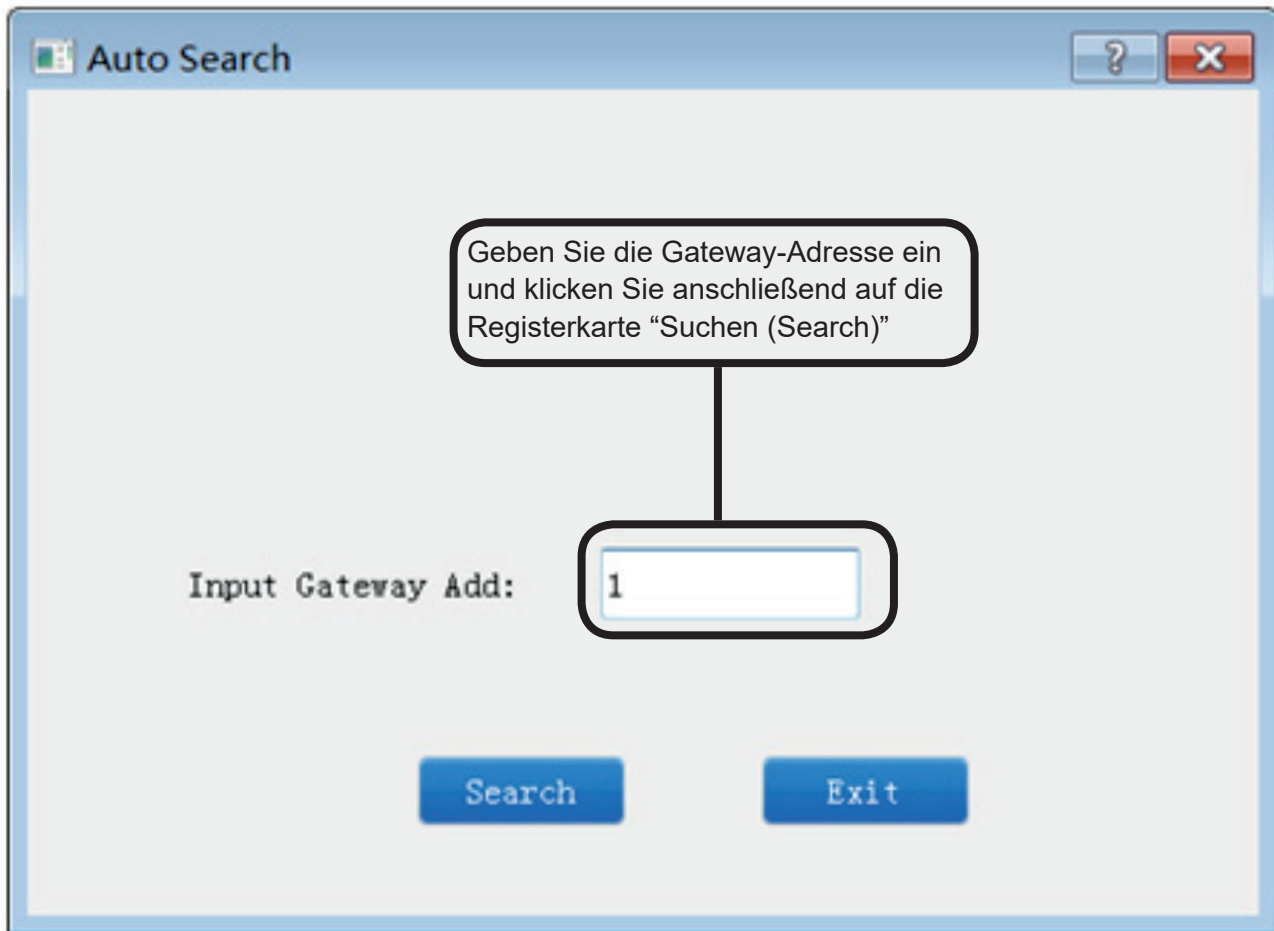
Klicken Sie auf „OK“, um den Port zurückzusetzen. Prüfen Sie zunächst, ob die Port-Nr. richtig ist. Bitte starten Sie den Computer neu, wenn Sie das Tool für die serielle Schnittstelle zum ersten Mal verwenden.

Gerät hinzufügen/löschen

1. Hinzufügen von Geräten durch automatische Suche

(a) Klicken Sie auf die Registerkarte „Automatische Suche“.



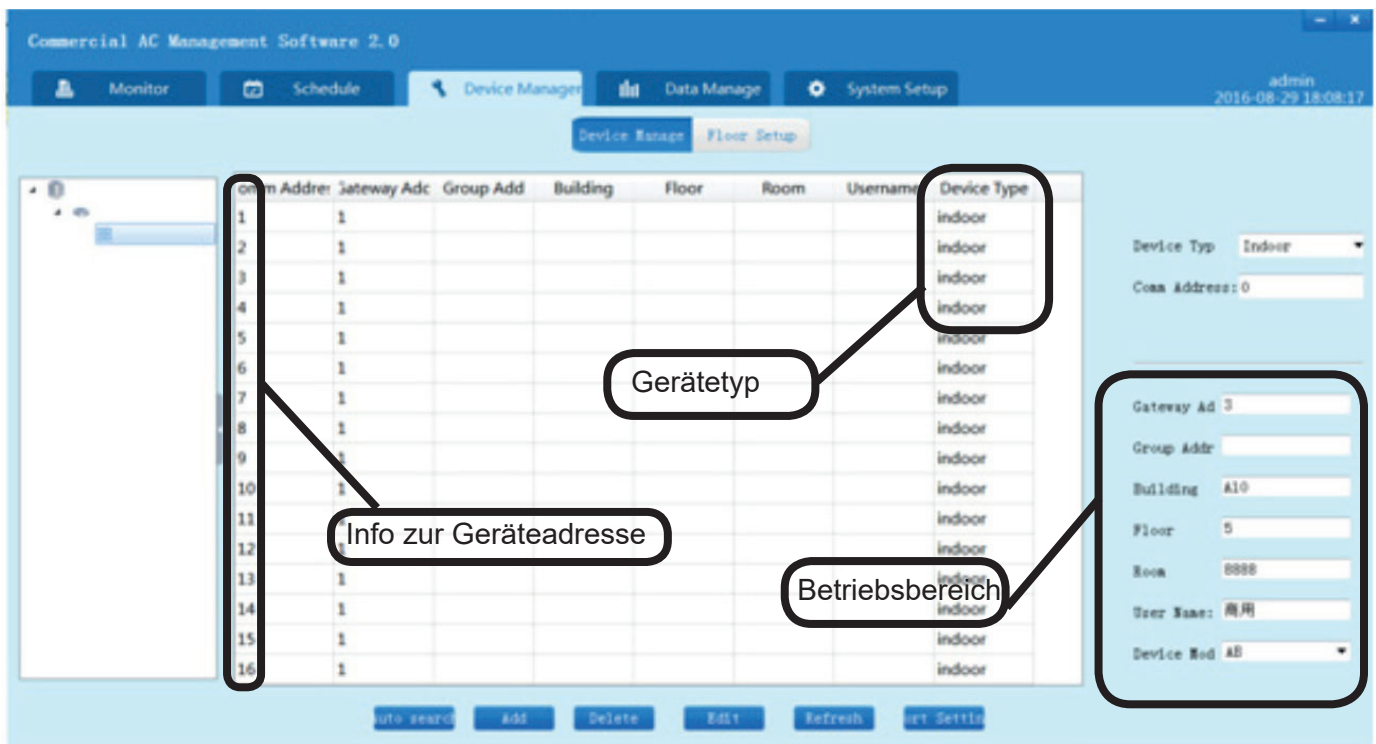


(b) Eingabe des Konverters - Geben Sie die Gateway-Adresse (von 0 bis 31) in das erscheinende Dialogfeld ein und klicken Sie dann auf „Suchen“.

Nach Abschluss der Suche erscheint die Meldung „Suche OK!“. Klicken Sie auf „Beenden (Exit)“, um das Dialogfeld zu schließen.



(c) Die gesuchten Innenrauminformationen werden in der Geräteverwaltungsliste angezeigt: Comm-Adresse, Gateway-Adresse und Gerätetyp. Andere Informationen müssen aus der Liste rechts auf der Seite hinzugefügt werden.



(d) Hinzufügen von Innenrauminformationen.

Klicken Sie in der Geräteliste auf den Innenraum, zu dem Informationen hinzugefügt werden sollen.

Commercial AC Management Software 2.0

Monitor Schedule Device Manager Data Manage System Setup

Device Manager Floor Setup

Comm Adr	Gateway Adr	Group Adr	Building	Floor	Room	Username	Device Type
1	1						indoor
2	1						indoor
3	1						indoor
4	1						indoor
5	1						indoor
6	1						indoor
7	1						indoor
8	1						indoor
9	1						indoor
10	1						indoor
11	1						indoor
12	1						indoor
13	1						indoor
14	1						indoor
15	1						indoor
16	1						indoor

Device Type: Indoor
Comm Address: 1
Gateway Ad: 1
Group Adr:
Building:
Floor:
Room:
User Name:
Device Mod: AB

Auto Search Add Delete Edit Refresh Sort Settings

Device Typ: Indoor
Comm Address: 1
Gateway Ad: 1
Group Addr: 0
Building: A10
Floor: 5
Room: 511
User Name: TEST
Device Mod: AB

Geben Sie beim manuellen Hinzufügen eines neuen Geräts das Modell / die Innenadresse / Gateway-Adresse selbst ein. Beim Ändern der Informationen des vorhandenen Geräts können die Innenadresse und die Gateway-Adresse nicht geändert werden.

Wenn hier eine freie Stelle oder 0 angezeigt wird, bedeutet dies, dass es sich um einen Master-Innenraum in der verdrahteten Gruppensteuerung handelt, während 1-15 Slave-Adressen sind. Sie können den Slave nicht in Innenräumen steuern.

Benutzerdefinierter AC-Standort

Benutzerdefinierter AC-Name

Innenraummodell (Kanal, Wand, Kassette, umrüstbar)

Hinzufügen von Innenrauminformationen:

Gruppenadresse: Wenn Sie die verdrahtete Steuerung zur Steuerung von mehr als einem Innengerät verwenden, ist die Master-Adresse 0 und die Slave-Adressen sind 1 bis 15.

Gebäude: Das Gebäude zur Installation des Innengeräts.

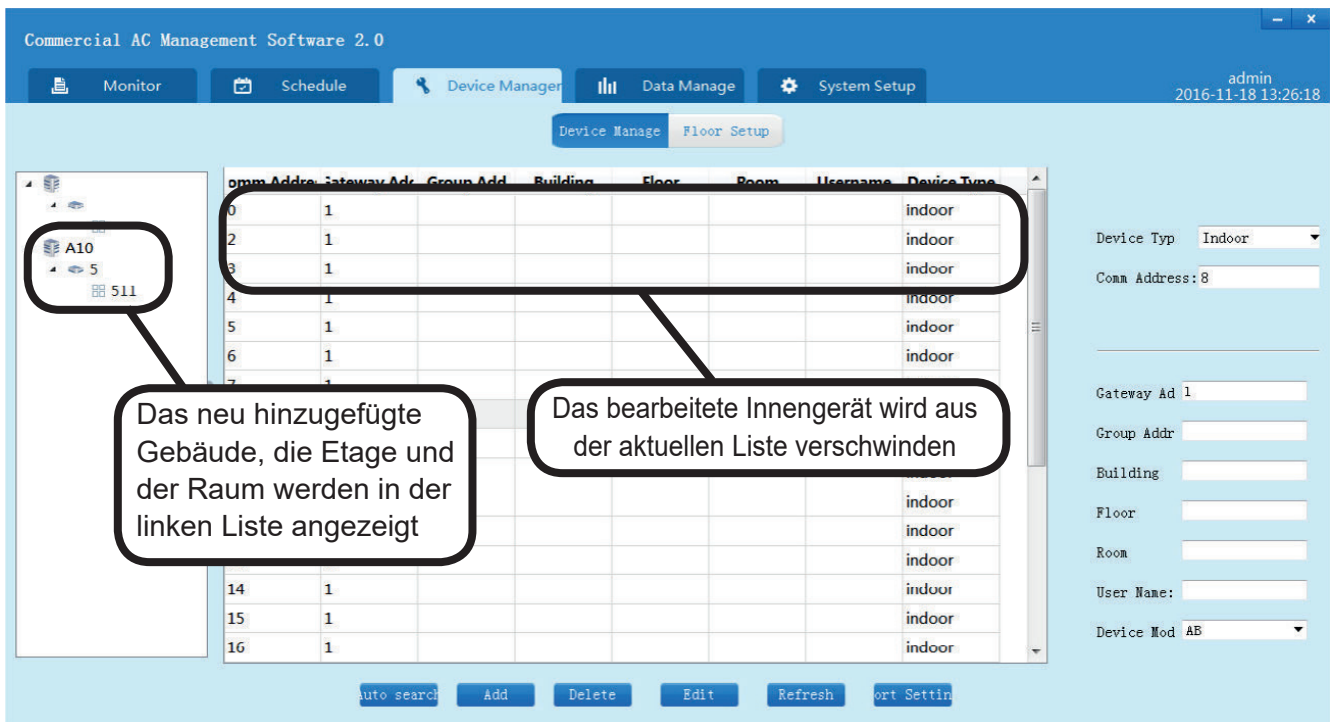
Etage: Spezifische Etage für die Installation des Innengeräts.

Raum: In welchem Raum das Innengerät installiert ist.

Benutzername: der Benutzer des Innenraums.

Modell: Innenraummodell: AB: Kassette; AC: Umschaltbar; AD: Kanal; AS: Wand

(e) Klicken Sie auf „Bearbeiten“, um das Hinzufügen der Informationen abzuschließen. Es aktualisiert die Informationen über den Innenraum in der Innenraumliste. Die Informationen zum jeweiligen Gebäude, Etage und Raum werden auf der linken Seite des Bildschirms angezeigt.



Commercial AC Management Software 2.0

Monitor Schedule Device Manager Data Manage System Setup

admin 2016-11-18 13:26:18

Device Manage Floor Setup

Conn Adr	Gateway Adc	Group Add	Building	Floor	Room	Username	Device Type
0	1						indoor
2	1						indoor
3	1						indoor
4	1						indoor
5	1						indoor
6	1						indoor
7	1						indoor
14	1						indoor
15	1						indoor
16	1						indoor

Das neu hinzugefügte Gebäude, die Etage und der Raum werden in der linken Liste angezeigt

Das bearbeitete Innengerät wird aus der aktuellen Liste verschwinden

Device Type: Indoor

Conn Address: 8

Gateway Ad: 1

Group Addr:

Building:

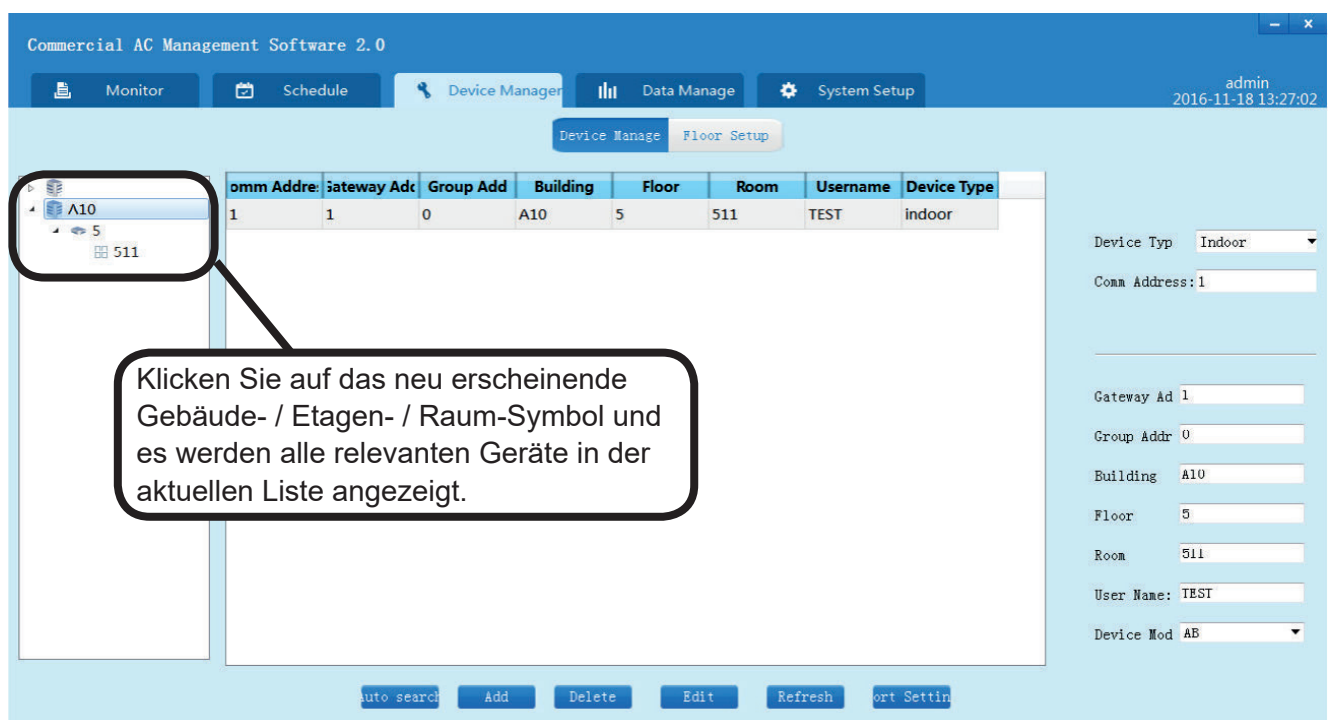
Floor:

Room:

User Name:

Device Mod: AB

Auto search Add Delete Edit Refresh Sort Setting



Commercial AC Management Software 2.0

Monitor Schedule Device Manager Data Manage System Setup

admin 2016-11-18 13:27:02

Device Manage Floor Setup

Conn Adr	Gateway Adc	Group Add	Building	Floor	Room	Username	Device Type
1	1	0	A10	5	511	TEST	indoor

Klicken Sie auf das neu erscheinende Gebäude- / Etagen- / Raum-Symbol und es werden alle relevanten Geräte in der aktuellen Liste angezeigt.

Device Type: Indoor

Conn Address: 1

Gateway Ad: 1

Group Addr: 0

Building: A10

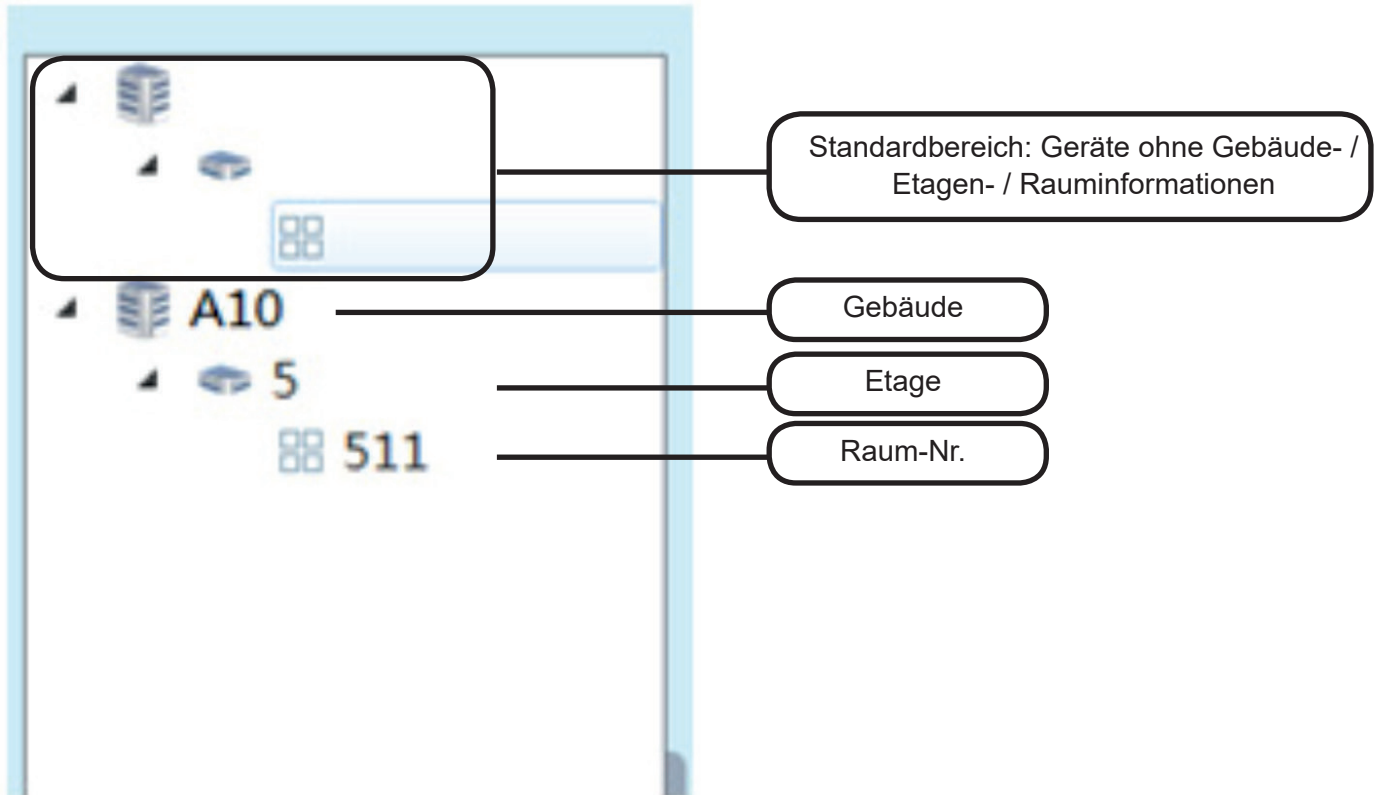
Floor: 5

Room: 511

User Name: TEST

Device Mod: AB

Auto search Add Delete Edit Refresh Sort Setting



2. Manuelles Hinzufügen

Commercial AC Management Software 2.0

Monitor Schedule Device Manager Data Manage System Setup

admin 2016-11-18 13:27:38

Device Manage Floor Setup

Id	Comm Addr	Gateway Addr	Group Addr	Building	Floor	Room	Username	Device Type
1	1	0		A10	5	511	TEST	indoor

① Geben Sie das neue Gerät in der rechten Liste ein. Es darf keine wiederholte Innen- oder Gateway-Adresse vorhanden sein

② Nachdem Sie die Informationen eingegeben haben, klicken Sie auf „Hinzufügen“

Device Typ: Indoor
 Conn Address: 1
 Gateway Ad: 1
 Group Addr: 0
 Building: A10
 Floor: 5
 Room: 511
 User Name: TEST
 Device Mod: AB

Auto search Add Delete Edit Refresh Sort Settings

- Fügen Sie die Innenrauminformationen in der rechten Liste hinzu und achten Sie darauf, dass keine wiederholte Innenraum- oder Gateway-Adresse angegeben werden.
- Klicken Sie auf „Hinzufügen“, um das Hinzufügen zu beenden.
- Nach dem Hinzufügen wird die neu hinzugefügte Innenrauminformation in der Liste angezeigt. Starten Sie die Software neu, um die Einstellung zu bestätigen.

3. Gerät löschen

Commercial AC Management Software 2.0

Monitor Schedule Device Manager Data Manage System Setup

admin 2016-11-18 13:31:49

Device Manage Floor Setup

Comm Addr	Gateway Addr	Group Addr	Building	Floor	Room	Username	Device Type
0	1	0	A10	5	511	TEST	indoor
1	1	0	A10	5	511	TEST	indoor
2	1	0	A10	5	511	TEST	indoor
3	1	0	A10	5	511	TEST	indoor
4	1	0	A10	5	511	TEST	indoor
5	1	0	A10	5	511	TEST	indoor
6	1	0	A10	5	511	TEST	indoor
7	1	0	A10	5	511	TEST	indoor
8	1	0	A10	5	511	TEST	indoor
9	1	0	A10	5	511	TEST	indoor
10	1	0	A10	5	511	TEST	indoor
11	1	0	A10	5	511	TEST	indoor
12	1	0	A10	5	511	TEST	indoor
13	1	0	A10	5	511	TEST	indoor
14	1	0	A10	5	511	TEST	indoor
15	1	0	A10	5	511	TEST	indoor

Device Type: Indoor
Comm Address: 8

Gateway Ad: 1
Group Addr: 0
Building: A10
Floor: 5
Room: 511
User Name: TEST
Device Mod: AB

Auto search Add Delete Edit Refresh Port Setting

① wählen Sie das Gerät aus der Liste aus

② klicken Sie auf „Löschen“

- Wählen Sie das zu löschende Gerät in der Liste aus.
- Klicken Sie auf „Löschen“, um den Löschvorgang abzuschließen.

Geräteüberwachung

Nachdem Sie das Gerät hinzugefügt haben, klicken Sie auf „Überwachen (Monitor)“, um den Innenraum zu überwachen.

Commercial AC Management Software 2.0

Monitor Schedule Device Manager Data Manage System Setup

admin 2016-12-08 13:55:53

CurrentRunTime: 0 day0 hour0 min
TotalRunTime: 0 day0 hour0 min
Please first turn on unit, then set function!

16

Temperature: 16

Property Status

Gateway Addr:
Central Addr:
Group Addr:
S-code:
TC2:
TC1:
HP:
REV Opening:
Error Code:

Innenraumliste

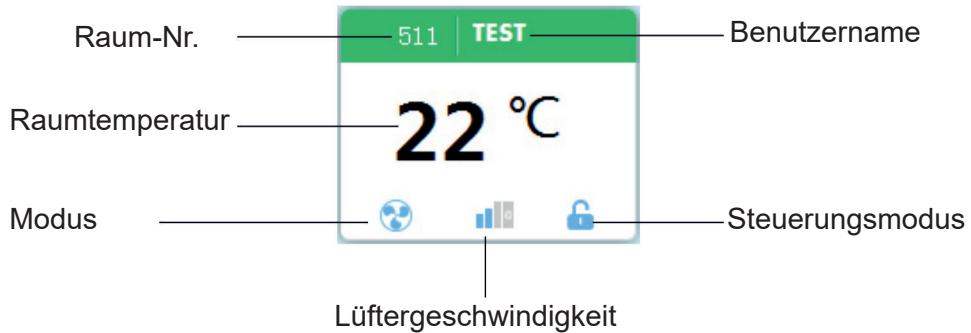
Etagen- & Raumliste

Innenraum-Betriebsparameter

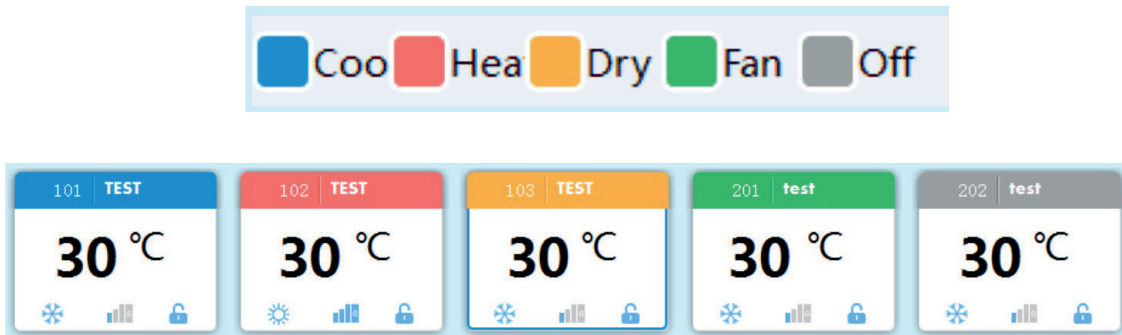
Cool Heat Dry Fan Off All On All Off Floor Nav Refresh Total:1 << 1/1 >> Jump to: Page Jump Select All

1. Innenbereich Betriebszustand

Jedes Symbol zeigt den aktuellen Zustand des Innenraums an, wie in der folgenden Abbildung dargestellt:



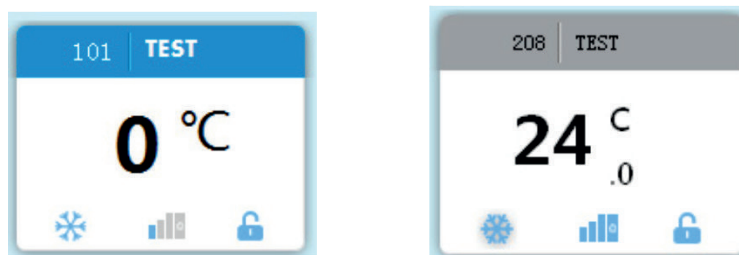
(a) Verschiedene Farben zeigen verschiedene Modi an



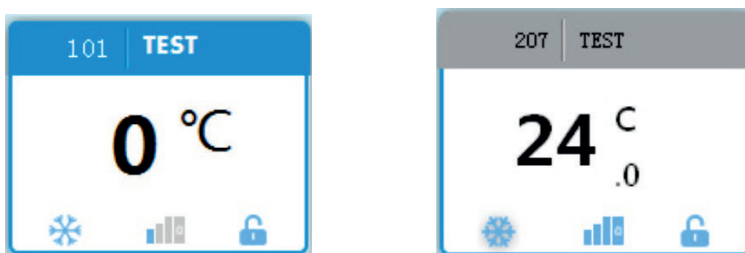
Die oben genannten Zustände und Modi sind: Kühlen, Heizen, Trocknen, Lüfter, Aus.

(b) Klicken Sie auf das Fenster „Innenraum“, um „Innenraum“ auszuwählen.

Nach der Auswahl wird der Rand des Fensters durch eine durchgezogene Linie dargestellt. Innenraum nicht ausgewählt (im EIN-Modus), Innenraum ausgewählt (im AUS-Modus).



Innenraum ausgewählt (im EIN-Modus), Innenraum ausgewählt (im AUS-Modus)



2. Innenraum Detaillierter Zustand

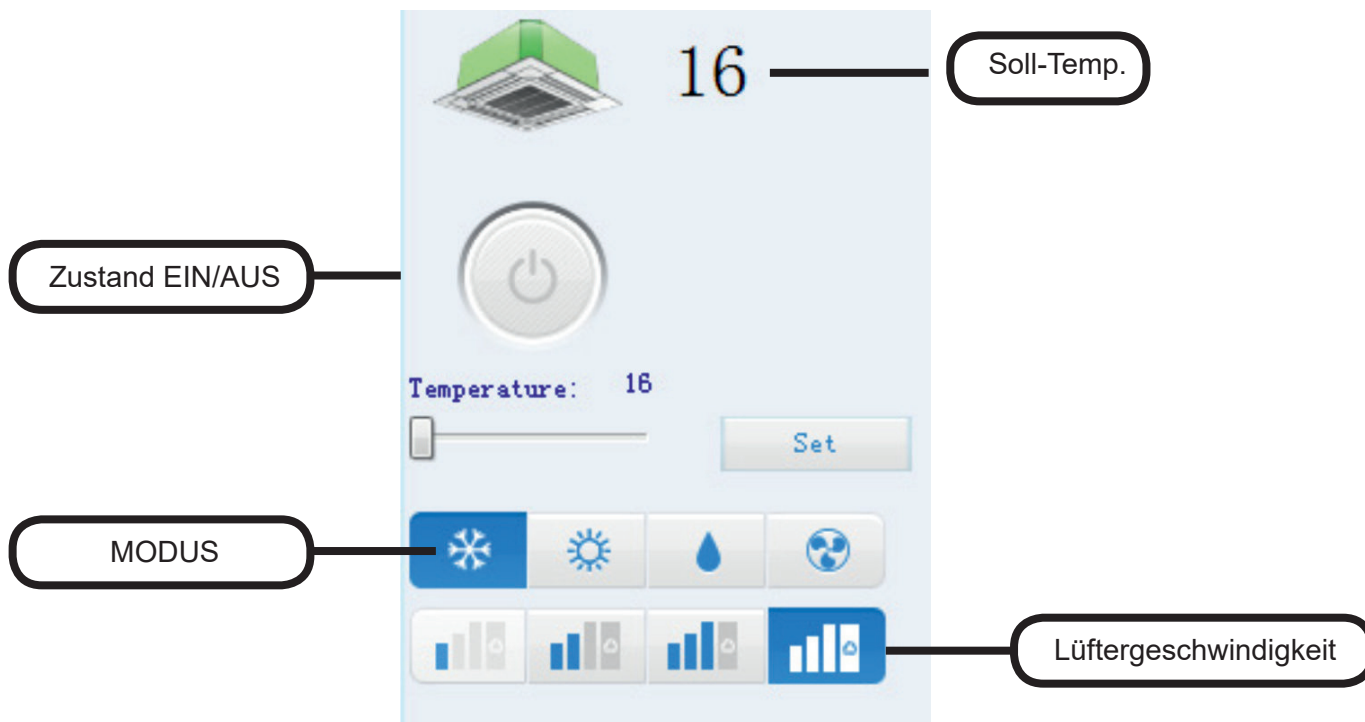
Bitte schalten Sie das Gerät ein und stellen Sie dann die Funktion ein



3. Innensteuerung

(a) Einzelgerätesteuerung

Nachdem Sie einen Innenraum ausgewählt haben, können Sie alle Einstellungsinformationen des Innenraums auf der rechten Seite sehen und die Steuerung des Innenraums von hier aus bedienen.

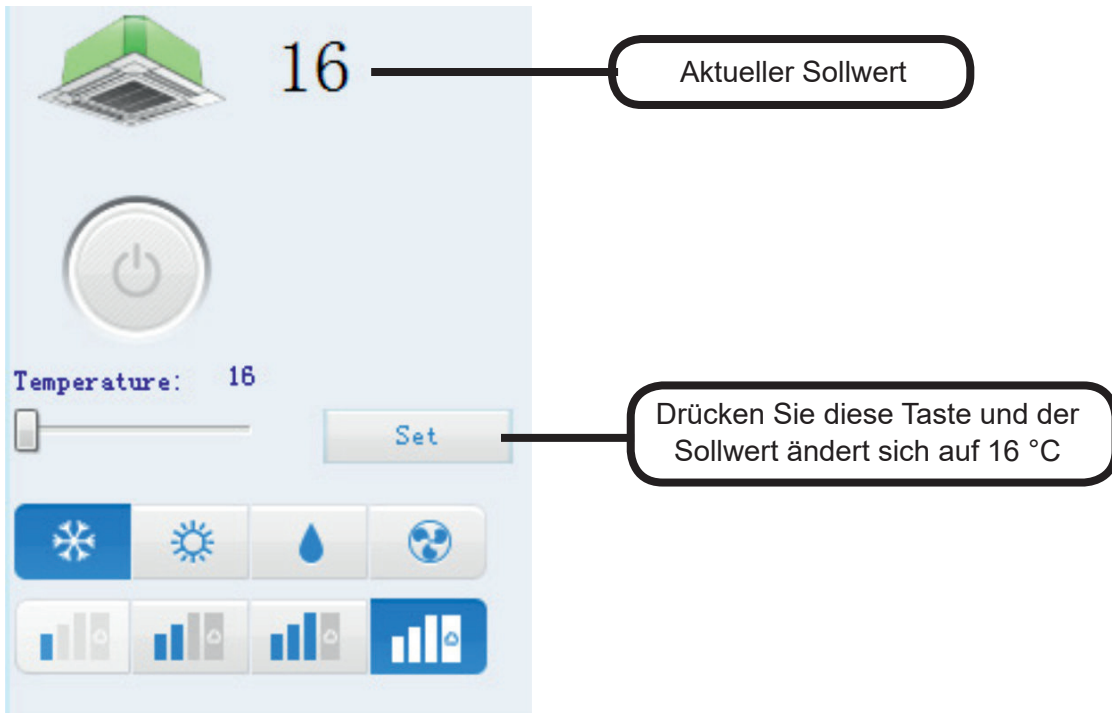


Eine ausführliche Erklärung der einzelnen Tasten.

Taste	Erklärung
	EIN
	AUS
	KÜHLEN
	HEIZEN
	TROCKNEN
	LÜFTER

Taste	Erklärung
	NIEDRIG
	MITTEL
	HOCH
	AUTOMATISCH
	EINSTELLEN TEMPERATUR

Wenn der Status des unten stehenden Innengeräts EIN ist, ist die Soll-Temp. 24 °C, Kühlen, niedrige Geschwindigkeit. Drücken Sie die Taste „Einstellen“, um den Sollwert auf 16 °C zu ändern.

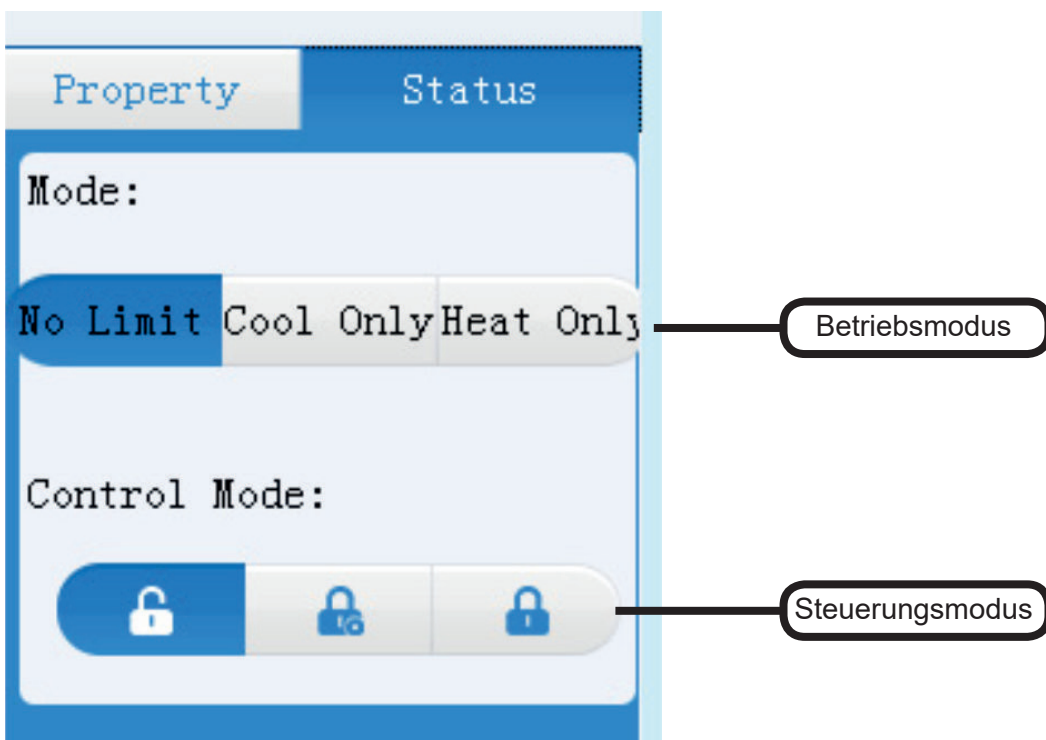


(b). Betriebsmodus / Steuerungsmodus

Es zeigt den Betriebsmodus und den Steuerungsmodus unter der Kennzeichnung „Status“ an

Betriebsmodus: Kein Limit, Nur Kühlen, Nur Heizen;


Steuerungsmodus: Zuerst ein zuerst aus, zentrale Steuerung, Sperre;




Betriebsmodus:


Kein Limit: Der gesamte Betriebsmodus ist verfügbar

Nur Kühlen: Innenraum kann nur im Kühlmodus betrieben werden. Er erlaubt keinen anderen Modus.

Nur Heizen: Innenraum kann nur im Heizmodus betrieben werden. Er erlaubt keinen anderen Modus. Zuletzt ein, zuerst aus : Er führt den letzten Eingangsauftrag aus, unabhängig davon, woher dieser kommt.

40VCB117FQEE, verdrahtete Steuerung oder Fernbedienung: z. B. sendet 40VCB117FQEE zunächst eine niedrige Geschwindigkeit, dann sendet die verdrahtete Steuerung eine hohe Geschwindigkeit, schließlich beginnt das Gerät mit hoher Geschwindigkeit zu arbeiten.

Zentrale Steuerung : Nur erhältlich mit 40VCB117FQEE. Verdrahtete Steuerung oder die Fernbedienung können das Innengerät nur „ein“- oder „ausschalten“.

Sperre : Alle Aufträge werden ausschließlich per 40VCB117FQEE versendet. Verdrahtete Steuerung oder Fernbedienungen können nur den Betriebszustand anzeigen.

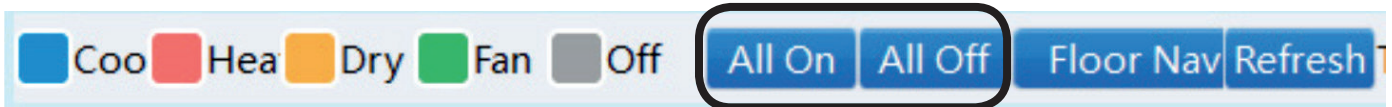
(c) Steuerung der Multi-Inneneinheit: Um mehrere Innengeräte anzusteuern, folgen Sie bitte den unten aufgeführten Schritten:

- Halten Sie die Taste "Ctrl" gedrückt und klicken Sie auf das Innengerät, das Sie steuern möchten
- Drücken Sie die ON/OFF-Taste, um das Innengerät ein-/auszuschalten,
- Ziehen Sie den Schieberegler, um die Temperatur einzustellen
- Klicken Sie auf die Lüfterstufe, die Sie einstellen möchten;
- Klicken Sie auf den Arbeitsmodus, den Sie einstellen möchten;



The screenshot shows the 'Commercial AC Management Software 2.0' interface. It features a grid of 15 room temperature control cards. The top row shows temperatures of 23°C, 24°C, 22°C, 24°C, and 22°C. The second and third rows show 22°C for all units. A callout box points to the top-left two cards (23°C and 24°C) with the text: „Halten Sie die Taste „Strg“ gedrückt und klicken Sie auf das Innengerät, das Sie steuern möchten“. Another callout box points to the control panel on the right side of the interface, which includes a power button, a temperature slider set to 16, and various mode icons, with the text: „Dieser Bereich zeigt die verfügbaren Steuerfunktionen, nicht den detaillierten Betriebsstatus des aktuellen Innengeräts.“. The interface also includes a top navigation bar with 'Monitor', 'Schedule', 'Device Manager', 'Data Manage', and 'System Setup' tabs, and a bottom status bar with various control buttons like 'Cool', 'Heat', 'Dry', 'Fan', 'Off', 'All On', 'All Off', 'Floor Nav', 'Refresh', and 'Total:1'.

(d) Alle ein/aus



Drücken Sie „All On“, um alle Innengeräte einzuschalten

Drücken Sie „All Off“, um alle Innengeräte auszuschalten


Etageneinstellung

1. Bereichseinstellung



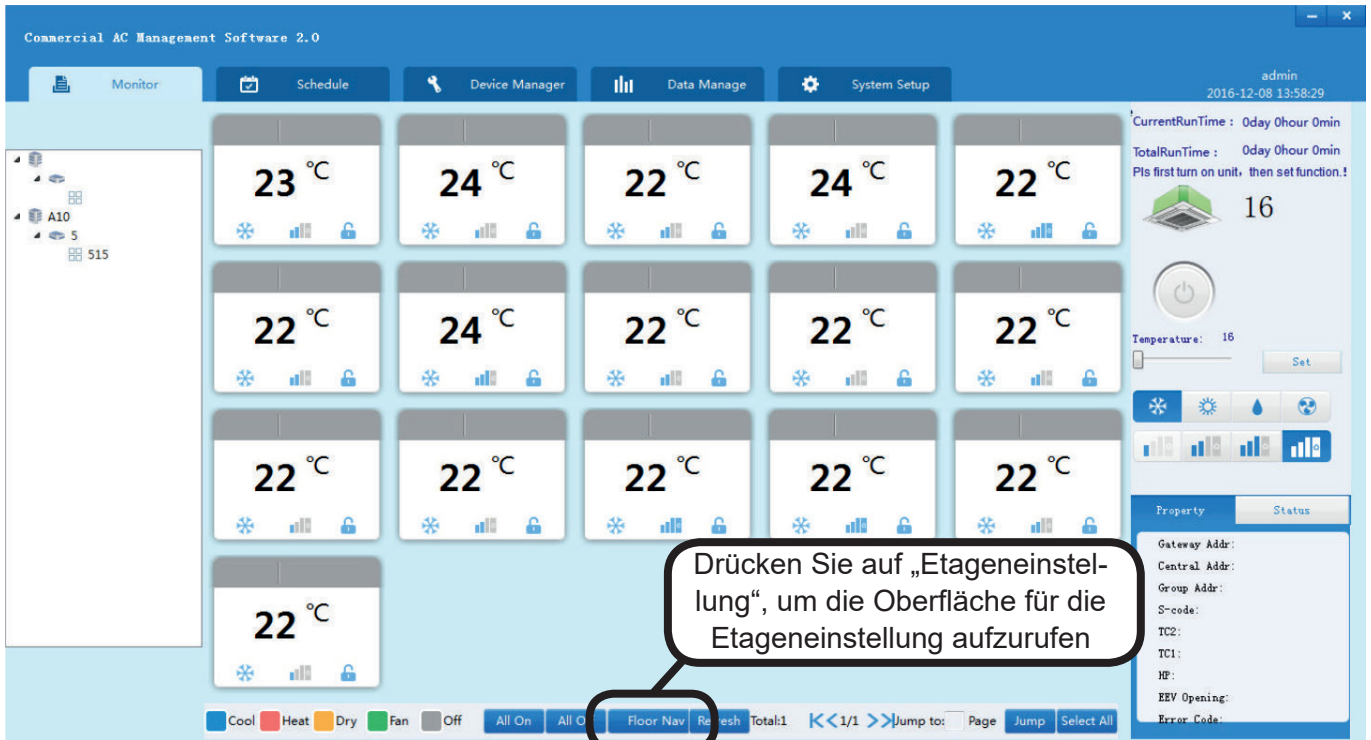
Deutsch



 : 1-2 steht für Innengerät Nr. 1, das an 40VCBM17FQEE Nr. 2 angeschlossen ist. 516 ist die Raumnummer.



2. Etageneinstellung

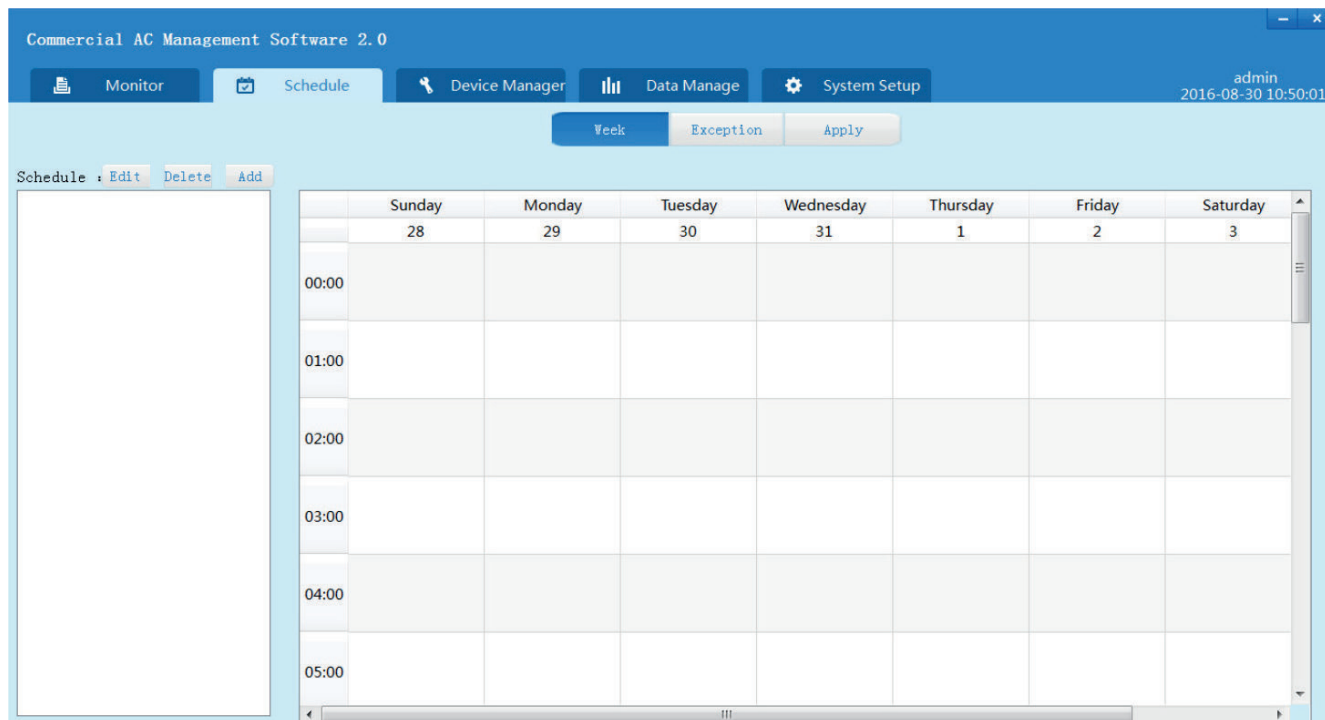


Deutsch

Bemerkung : Für verschiedene Etagen können unterschiedliche Grundrisse verwendet werden.

Zeitplaneinstellung

Drücken Sie auf der Hauptseite die Schaltfläche “Zeitplan (Schedule)”, um die Zeitplaneinstellung aufzurufen.

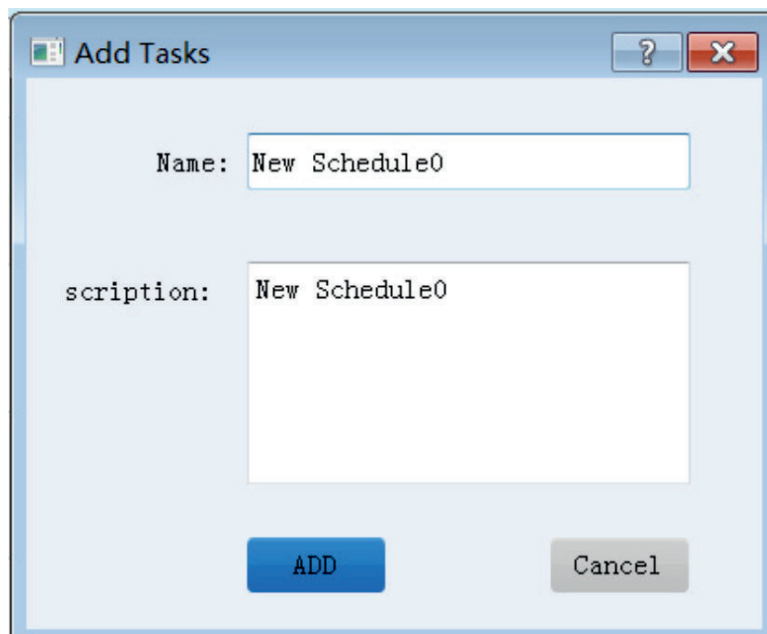


1. Wöchentlicher Zeitplan

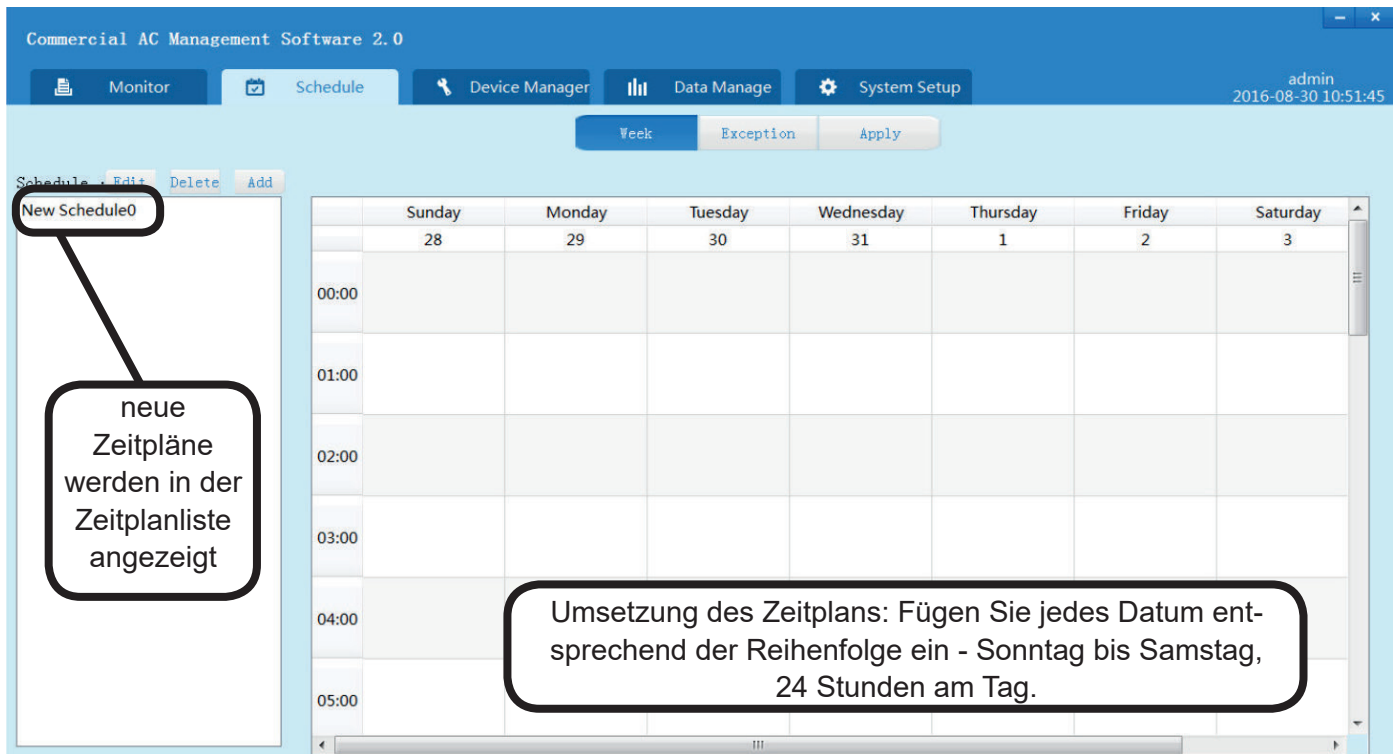
① Drücken Sie “Hinzufügen(Add)”



② Es erscheint ein Dialogfeld, in das Sie den Namen des Zeitplans oder eine Beschreibung eingeben können.



- ③ Drücken Sie auf die Schaltfläche “Hinzufügen (Add)”, um einen neuen Zeitplan zu erstellen;



Commercial AC Management Software 2.0

Monitor Schedule Device Manager Data Manage System Setup

Week Exception Apply

Schedule : Edit Delete Add

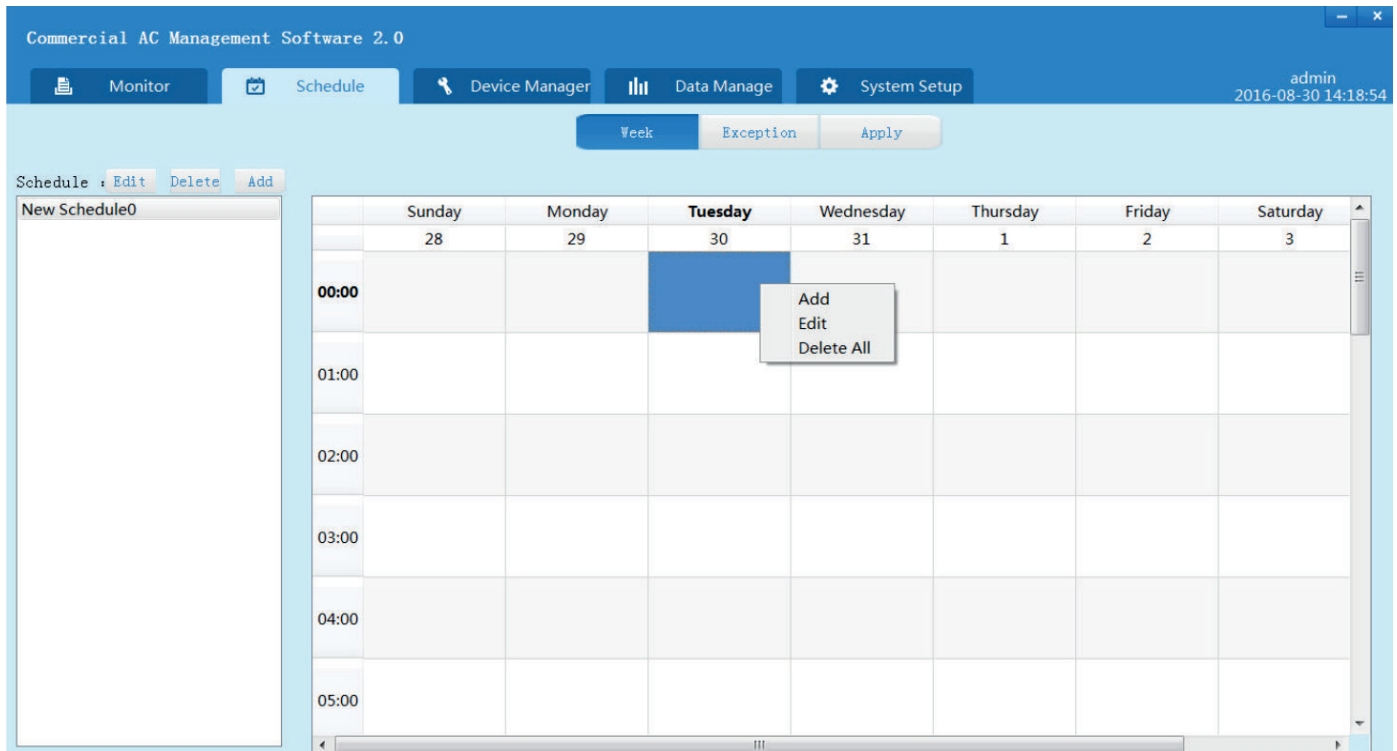
New Schedule0

neue Zeitpläne werden in der Zeitplanliste angezeigt

Umsetzung des Zeitplans: Fügen Sie jedes Datum entsprechend der Reihenfolge ein - Sonntag bis Samstag, 24 Stunden am Tag.

	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
	28	29	30	31	1	2	3
00:00							
01:00							
02:00							
03:00							
04:00							
05:00							

- ④ Klicken Sie im Bereich “NeuerZeitplan (new schedule)” mit der rechten Maustaste auf “Zeitplanbereichimplementieren (Implementation schedule area)” und es erscheint ein Popup-Menü



Commercial AC Management Software 2.0

Monitor Schedule Device Manager Data Manage System Setup

Week Exception Apply

Schedule : Edit Delete Add

New Schedule0

Add
Edit
Delete All

	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
	28	29	30	31	1	2	3
00:00							
01:00							
02:00							
03:00							
04:00							
05:00							

⑤ Klicken Sie auf “Hinzufügen(Add)” für das Popup-Menü

ayOfWeek: Tuesday
ime(24h): 0 : 0
Name: 111
cription: 6666
Power: ON Control Mode: LIFO
Fan Speed: Low Run Mode: Cool
Temperature: 20
Save cancel

Für die entsprechende Standardzeit klicken Sie mit der rechten Maustaste auf den Bereich. Sie können sie manuell ändern.

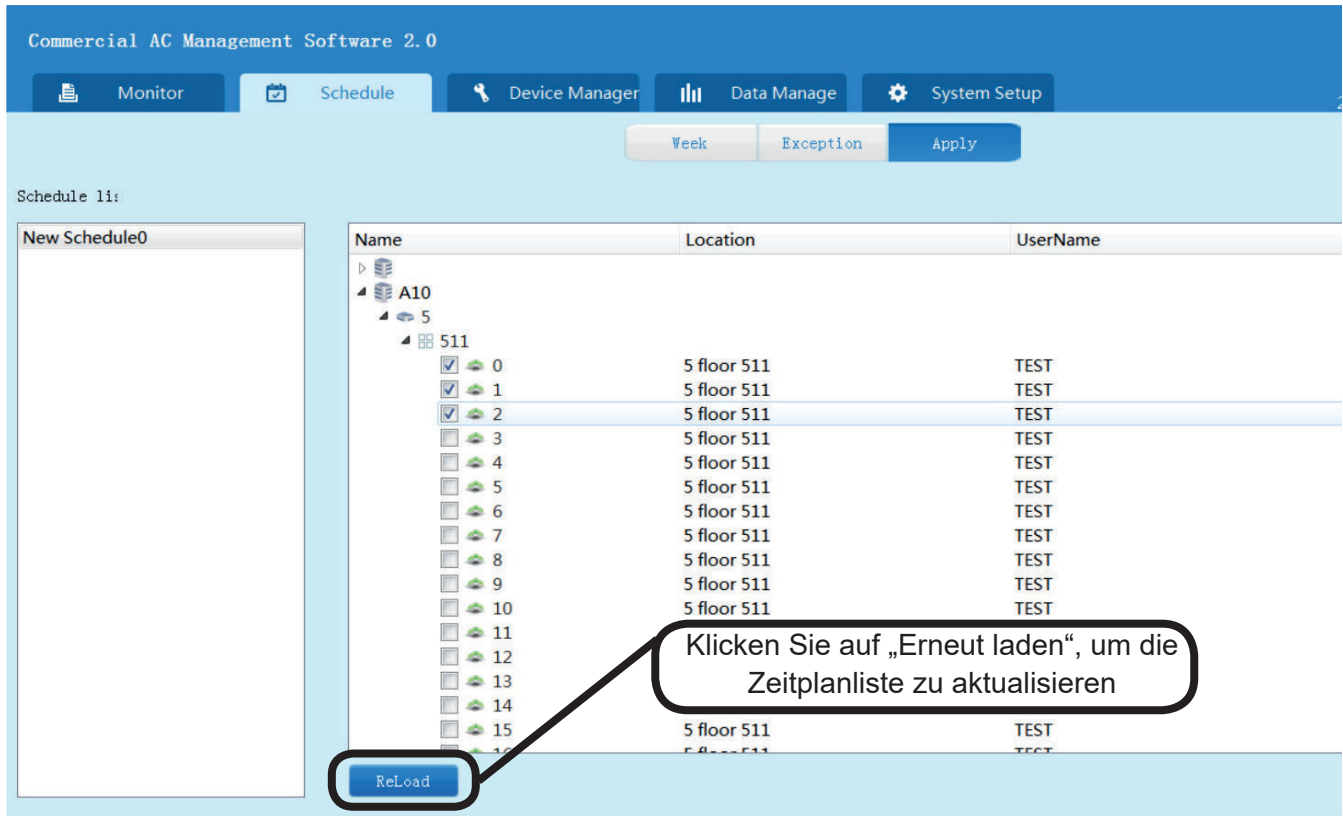
Geben Sie zum Einstellen der geplanten Ausführungszeit von Schaltern, Steuerungsmodell, Temperatur, Lüftergeschwindigkeit, Betriebsmodell, einen Namen und eine Beschreibung ein und stellen Sie es nach der Fertigstellung ein. Klicken Sie dann auf “Speichern (Save)”.

	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
	28	29	30	31	1	2	3
00:00			'00:00','111'				
01:00							
02:00							
03:00							
04:00							
05:00							

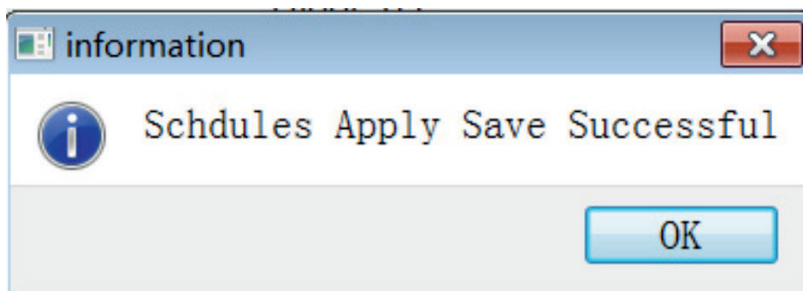
Der neu hinzugefügte Zeitplan wird an der entsprechenden Position in der Liste angezeigt, einschließlich „08:00“ als Ausführungszeit der Aktion, „XXXXX“ als Name des Zeitplans

Nachdem Sie zur Oberfläche für die Zeitplaneinstellung zurückgekehrt sind, können Sie sehen, dass an der entsprechenden Zeitposition die Ausführungszeit und der Name angezeigt werden, wodurch der neue Zeitplan eingestellt wird. Wiederholen Sie diesen Vorgang, um neue Zeitpläne hinzuzufügen.

⑥ In der “Anwenden (Apply)”-Oberfläche können Sie aus der Zeitplanliste auf der linken Seite “Zeitplan (Schedule)” und das Innengerät aus der Liste auf der rechten Seite auswählen.



Klicken Sie auf “Speichern (Save)” und ein Dialogfeld mit einer Eingabeaufforderung wird angezeigt. Klicken Sie auf „OK“ und die ausgewählten Innengeräte führen den ausgewählten Zeitplan aus. Wenn Sie das Häkchen bei der Innenraum- und Speichertaste entfernen, wird der Zeitplan abgebrochen.

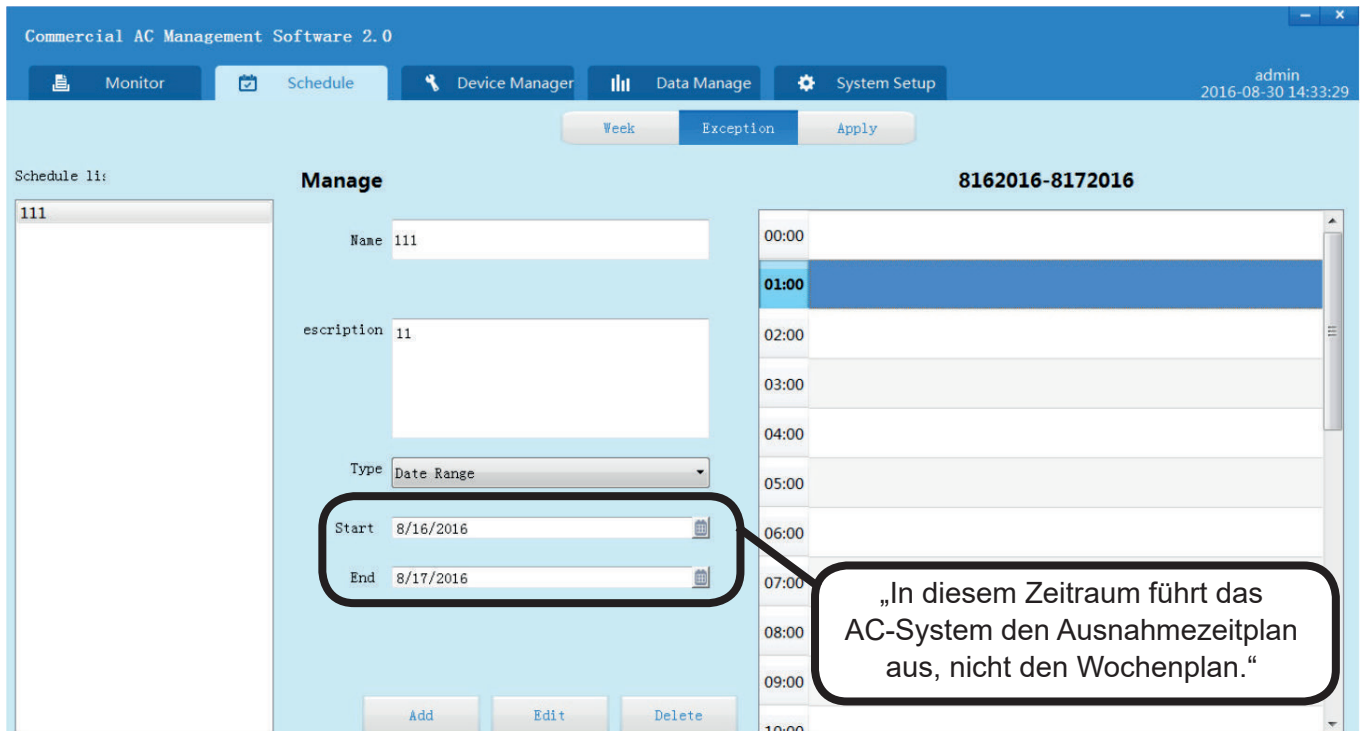


2. Ausnahmedatum

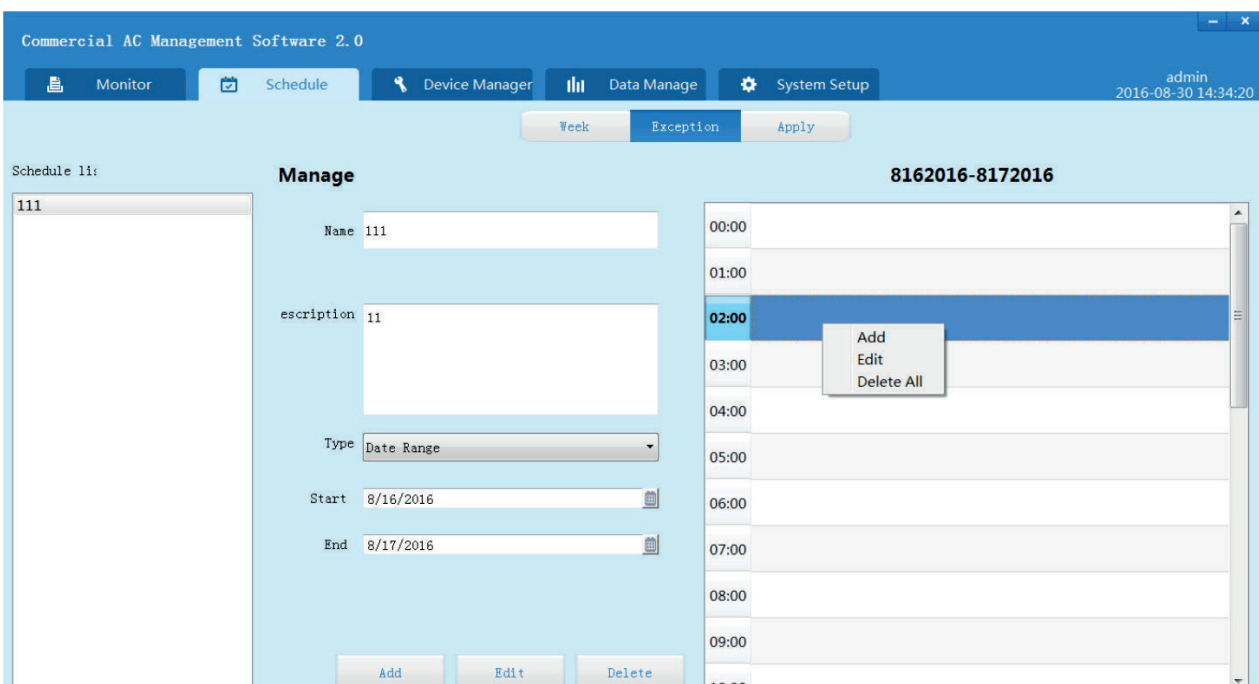
Ausnahmedatum des Zeitplans bedeutet, dass das AC-System einen speziellen Zeitplan ausführt, der nicht dem bereits eingestellten Wochenplan folgt.

Schritte:

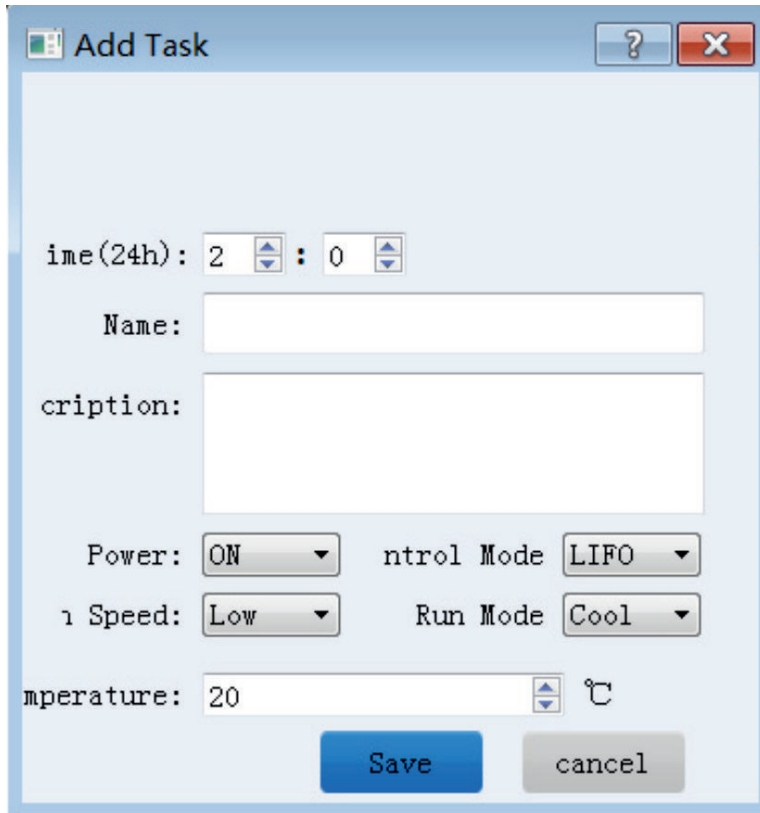
Klicken Sie auf das Symbol "Ausnahme (Exception)", geben Sie den Namen und die Beschreibung ein und wählen Sie den Anwendungszeitraum.



- 1 Klicken Sie auf "Hinzufügen (Add)", um den neuen Zeitplan hinzuzufügen. Klicken Sie mit der rechten Maustaste auf den Stundenplan und es öffnet sich ein Dialogfenster.



② Klicken Sie auf "Aufgabe hinzufügen (Add Task)".



Time (24h): 2 : 0

Name:

Description:

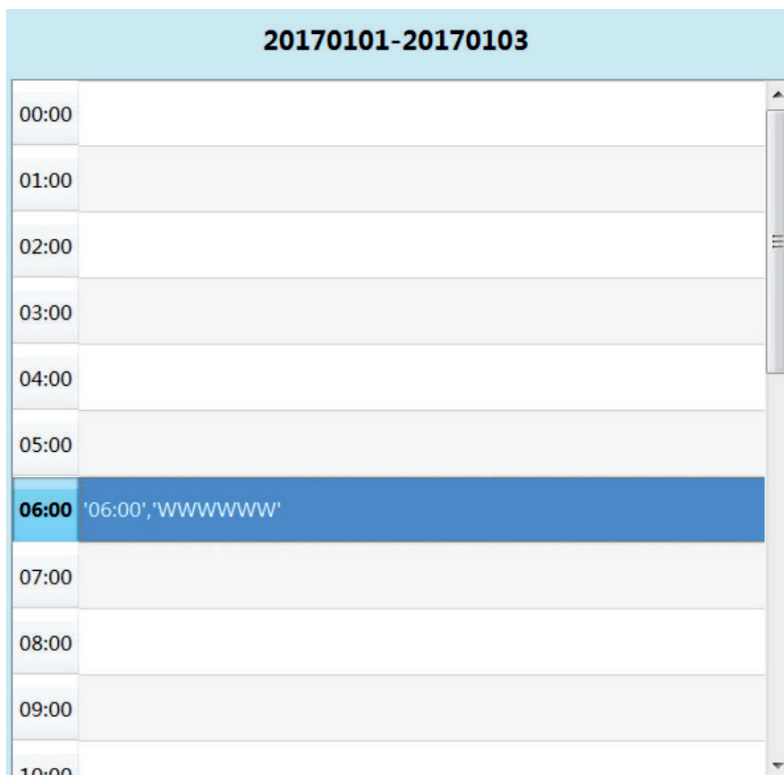
Power: ON Control Mode LIFO

Fan Speed: Low Run Mode Cool

Temperature: 20 °C

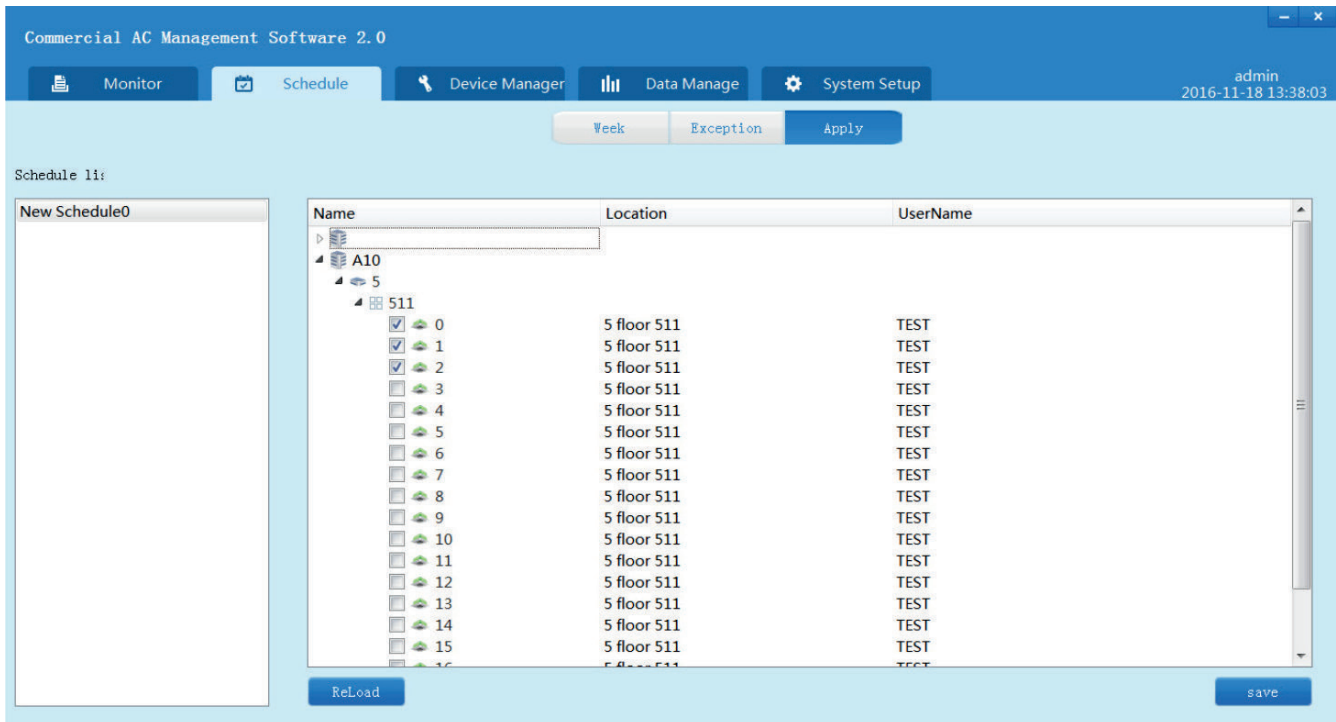
Save cancel

Stellen Sie die Ausführungszeit, Ein/Aus, Steuerungsmodus, Lüfter, Betriebsart, Solltemperatur sowie Zeitplanname und -beschreibung ein. Klicken Sie auf „Speichern“ (Save), um die Einstellung zu speichern. Gehen Sie zurück zur Oberfläche der Zeitplaneinstellung. Die entsprechende Zeitposition zeigt den neuen Zeitplan an. Wiederholen Sie diesen Vorgang, um neue Zeitpläne hinzuzufügen.

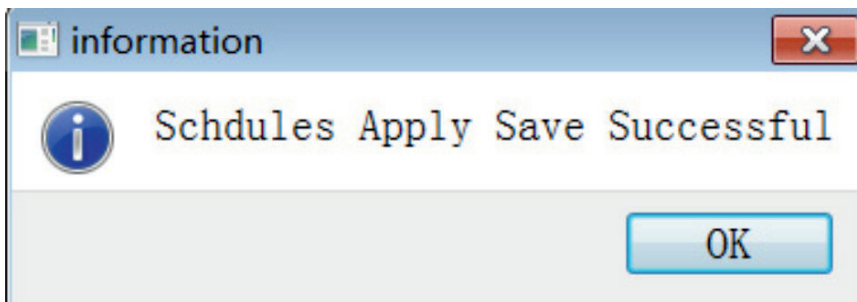


20170101-20170103	
00:00	
01:00	
02:00	
03:00	
04:00	
05:00	
06:00	'06:00','wwwwwww'
07:00	
08:00	
09:00	
10:00	

- ③ In der Oberfläche “Anwenden (Apply)” können Sie den “Zeitplan (Schedule)” aus der Zeitplanliste auf der linken Seite und das Innengerät aus der Liste auf der rechten Seite auswählen.



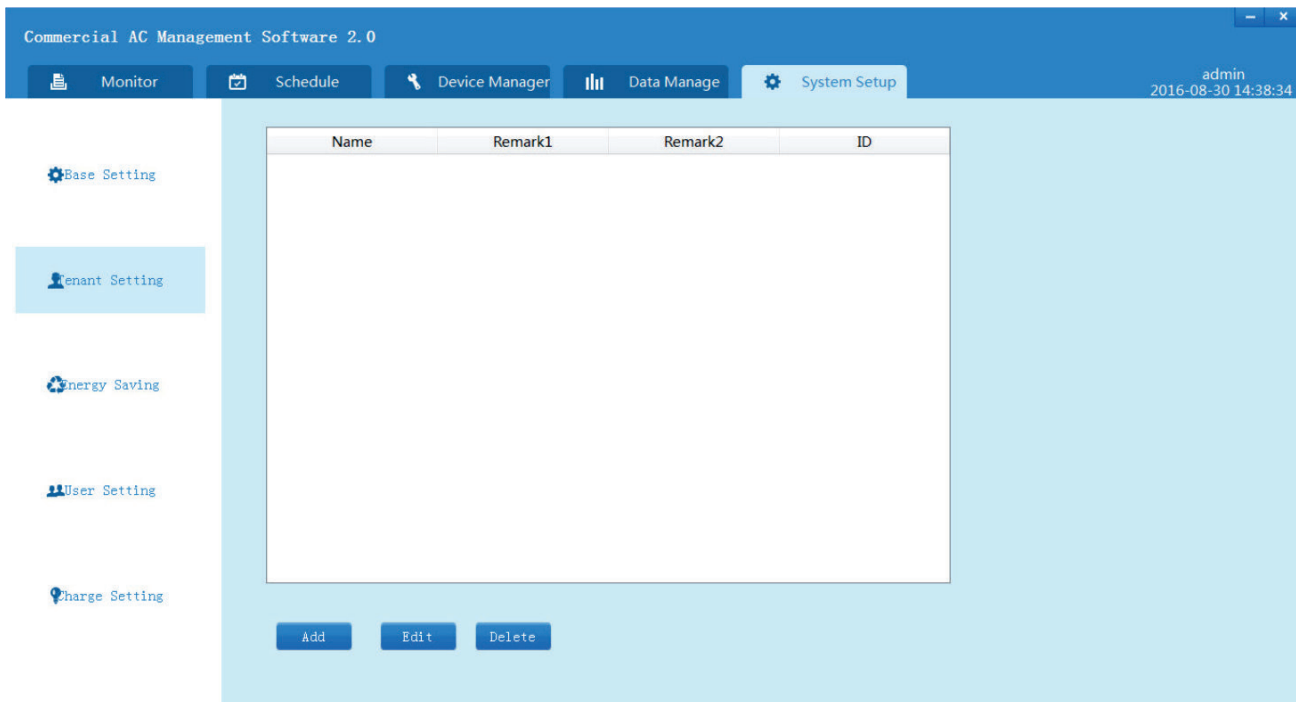
Klicken Sie auf “Speichern(Save)”, woraufhin ein Dialogfeld erscheint. Klicken Sie auf „OK“ und die ausgewählten Innengeräte führen den ausgewählten Zeitplan aus. Wenn Sie das Kontrollkästchen „Innenraum und speichern“ deaktivieren, wird der Zeitplan abgebrochen.



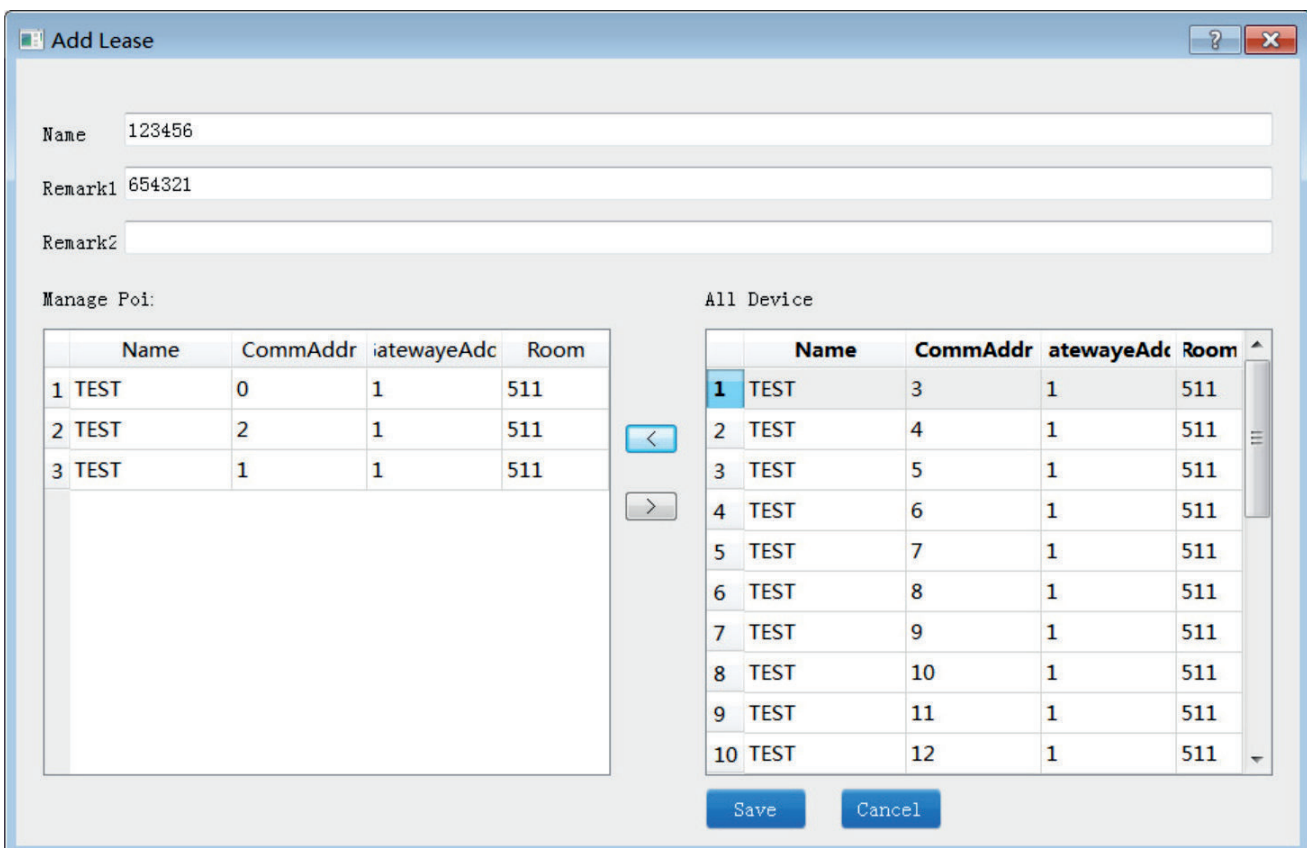
Datenverwaltung

Die Einstellung von Mieter- und Strominformationen ist vor der Datenverwaltung erforderlich.

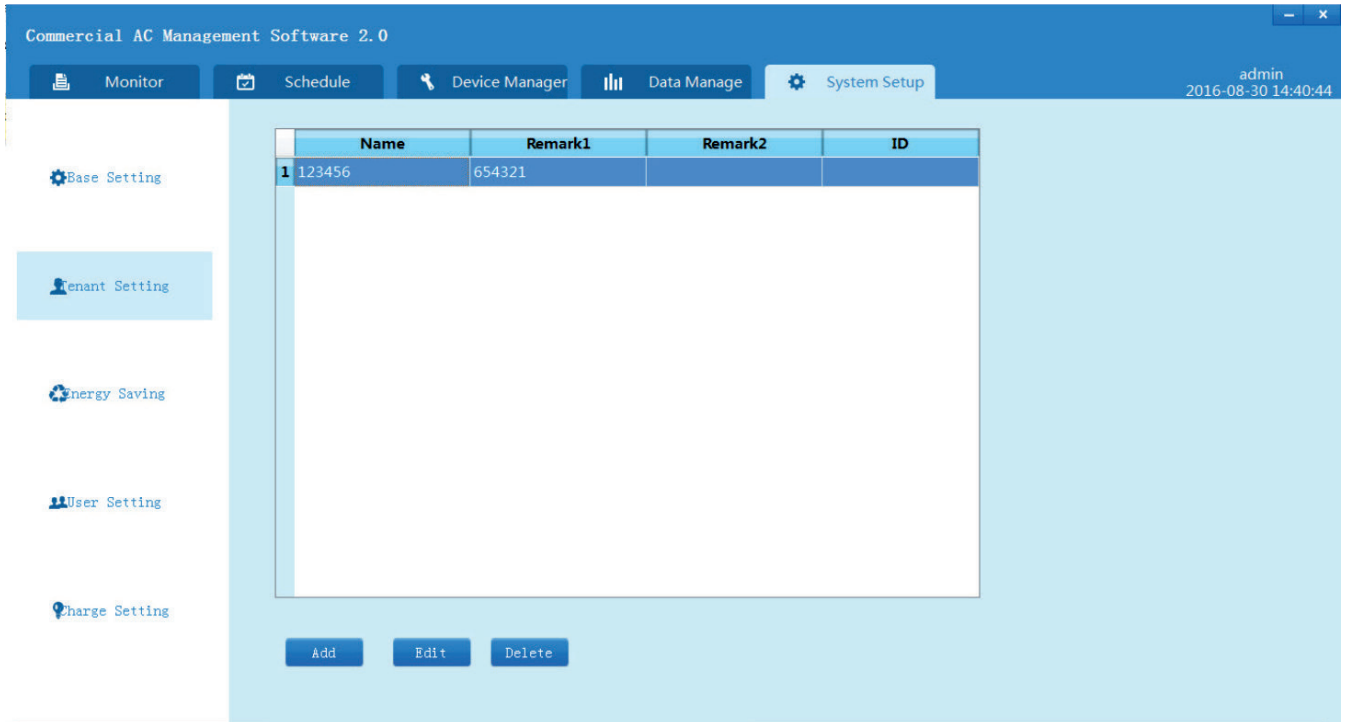
8.1 Mietereinstellung



Klicken Sie auf "Hinzufügen (Add)", woraufhin sich ein Dialogfeld öffnet. Fügen Sie den Namen und die Bemerkungen ein und fügen Sie die Geräte aus der Tabelle "Alle Geräte (All Device)" in die Tabelle "Punktverwalten (Manage Point)" ein.



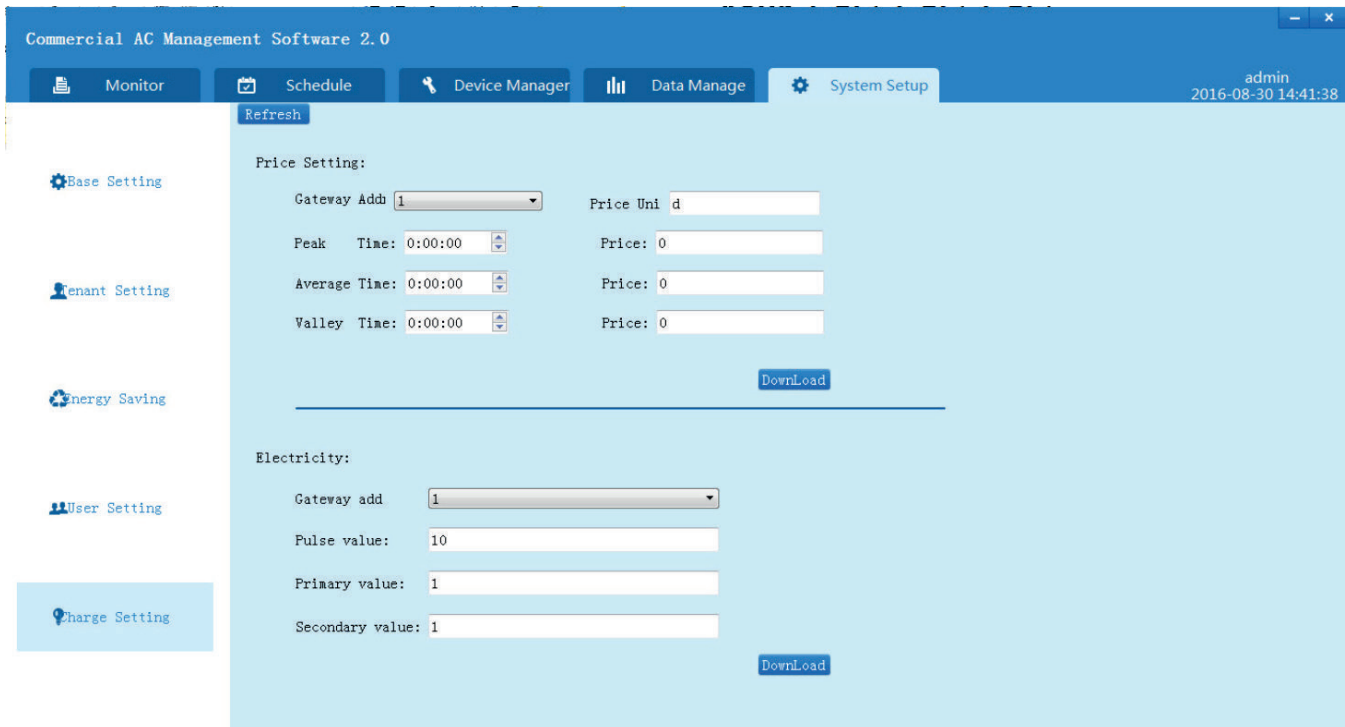
Klicken Sie auf "Speichern (Save)", um die Mietereinstellung abzuschließen. Das neu hinzugefügte Mieterkonto wird in der Tabelle "Mietereinstellungen (Tenant Setting)" angezeigt. Die Konten können bearbeitet oder gelöscht werden.



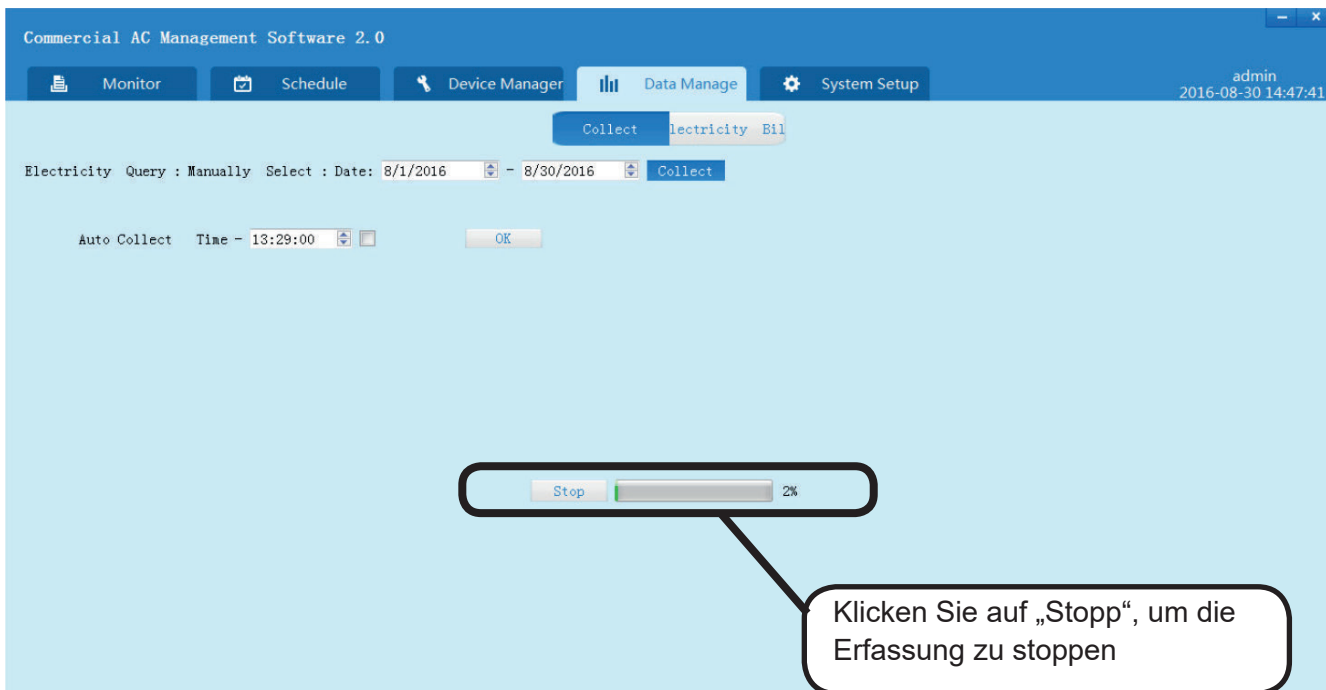
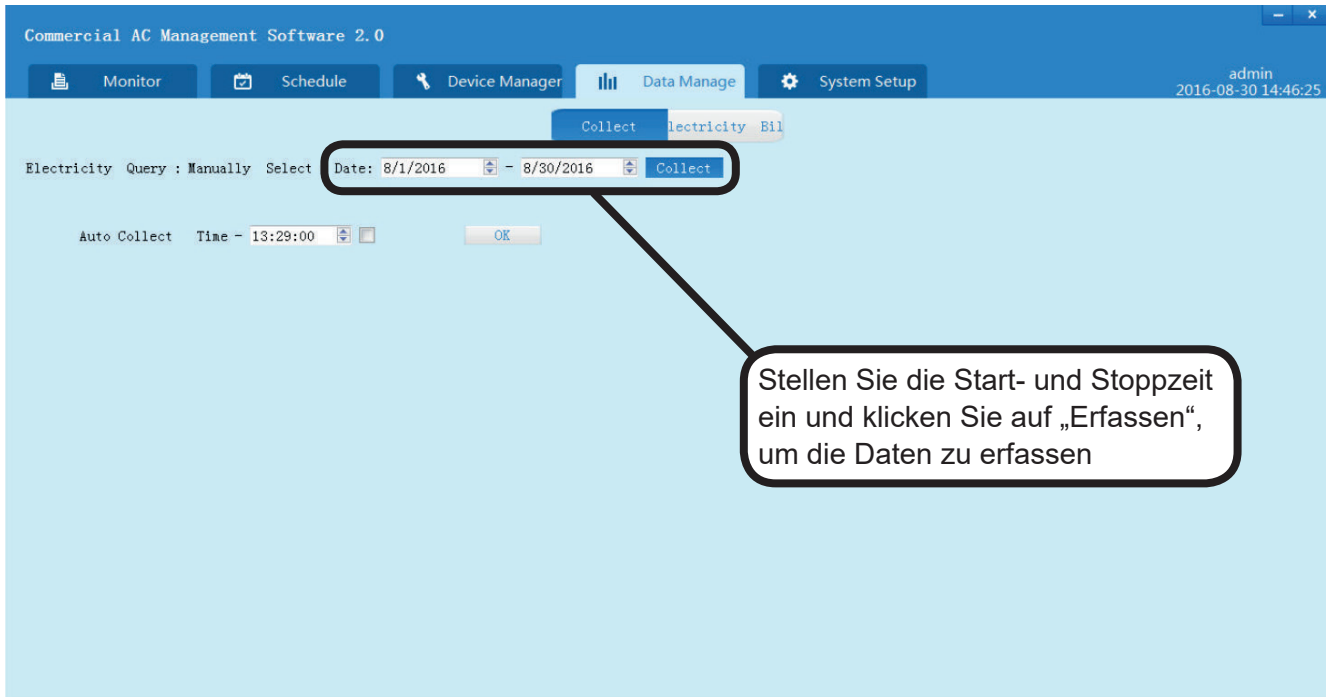
8.2 Einstellung der Elektrizitätsinformationen

Festlegung des Strompreises: Jedes Gateway muss den Strompreis festlegen. Stellen Sie die Startzeit, den Preis und die Preiseinheit für Höchst-, Durchschnitts- und Tiefstwert ein. Klicken Sie auf „Download“, um die Einstellung zu aktivieren.

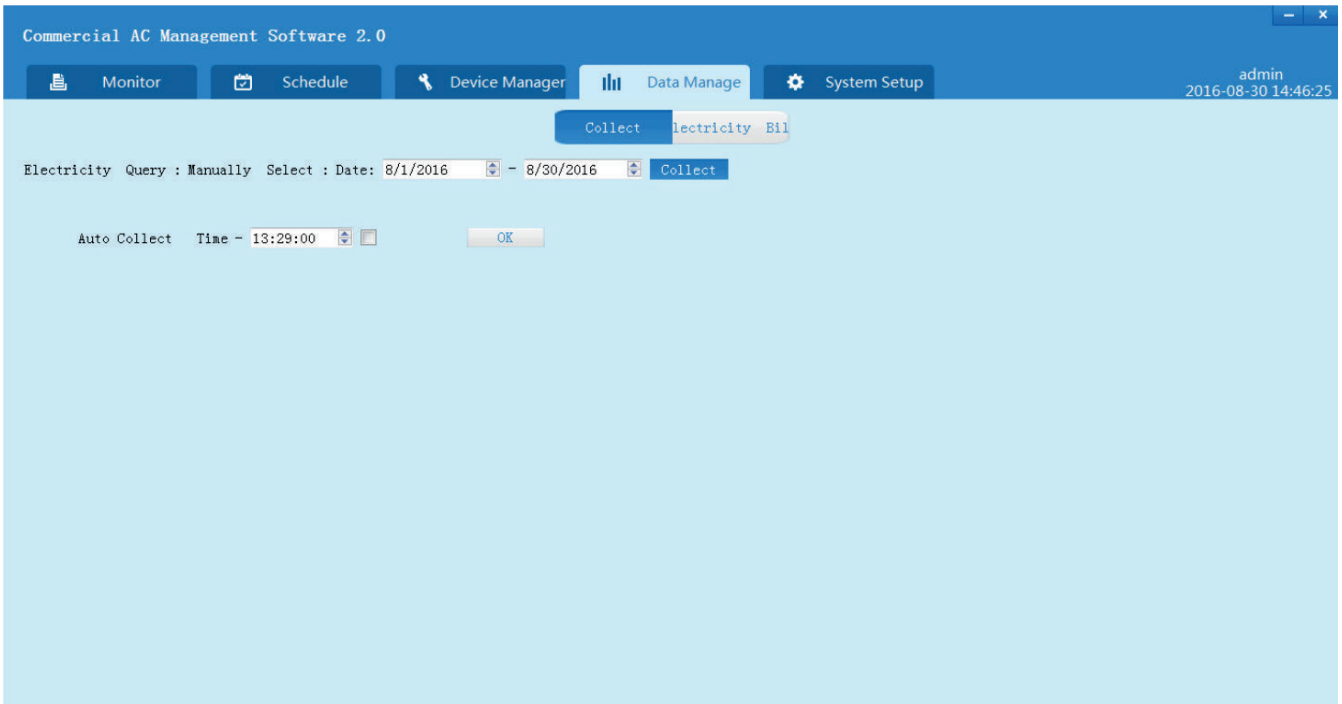
Stellen Sie die Impulswertigkeit, Primärwertigkeit, Sekundärwertigkeit für jedes Gateway ein. Klicken Sie auf „Download“, um die Einstellung zu aktivieren.



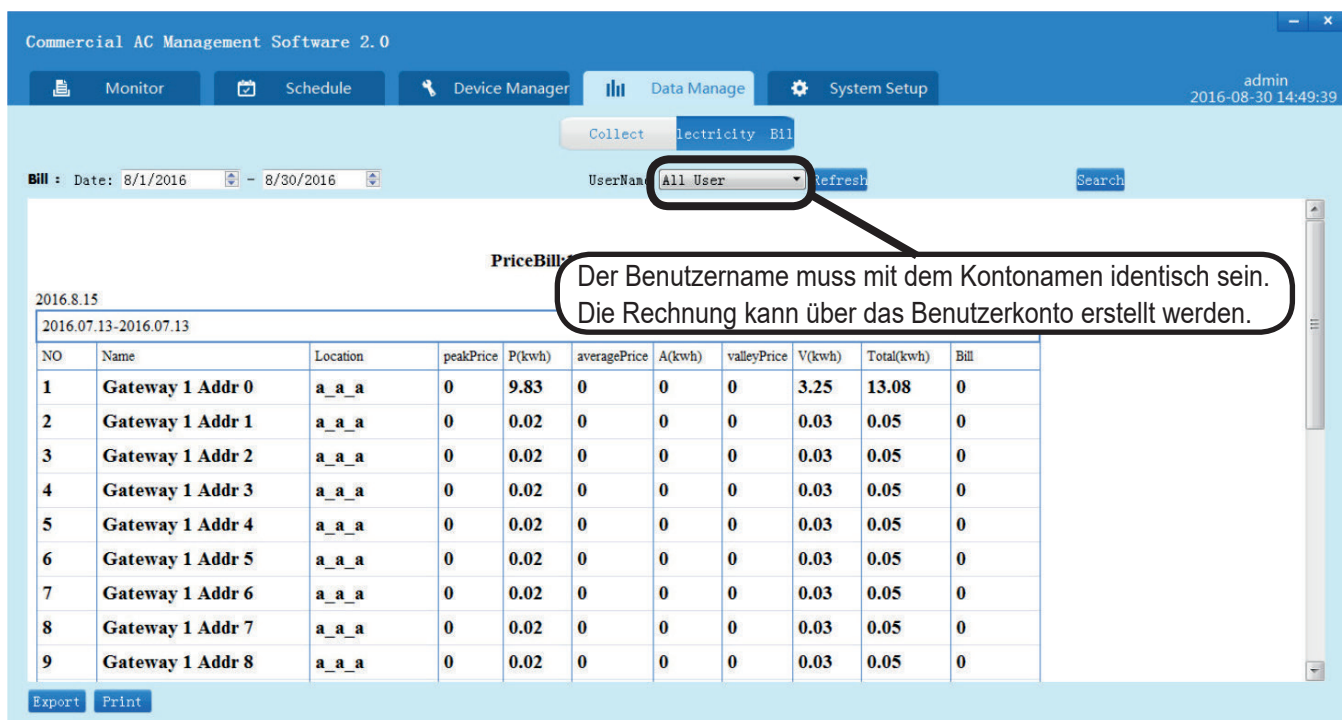
„Erfassen Sie die Stromverbrauchsdaten über die Oberfläche „Datenverwaltung (Data Manage)“. Stellen Sie den Zeitbereich ein und klicken Sie dann auf „Erfassen (Collect)“. Der Vorgang wird auf der Oberfläche angezeigt. Klicken Sie auf „Stopp (Stop)“, um die Erfassung zu beenden.



„**Automatische Erfassung** : Stellen Sie die Zeit für „Automatische Erfassung (Auto collect)“ ein, aktivieren Sie das Kontrollkästchen und klicken Sie dann auf „OK“. Sie können die Stromverbrauchsdaten automatisch zu dem von Ihnen eingestellten Zeitpunkt erfassen. Deaktivieren Sie das Kontrollkästchen, um die automatische Erfassung abzubrechen. Die manuelle Erfassung hat eine höhere Priorität und wird die automatisch erfassten Daten überschreiben.“



Geben Sie in der Oberfläche "Stromrechnung (Electricity Bill)" den Zeitbereich und den Benutzernamen ein und klicken Sie dann auf "Suchen (Search)". Es wird die Rechnung auf der Oberfläche angezeigt. Klicken Sie auf "Exportieren (Export)" oder "Drucken (Print)", um die Rechnung zu exportieren oder zu drucken.



Systembetriebsprotokoll

1. Grundeinstellung

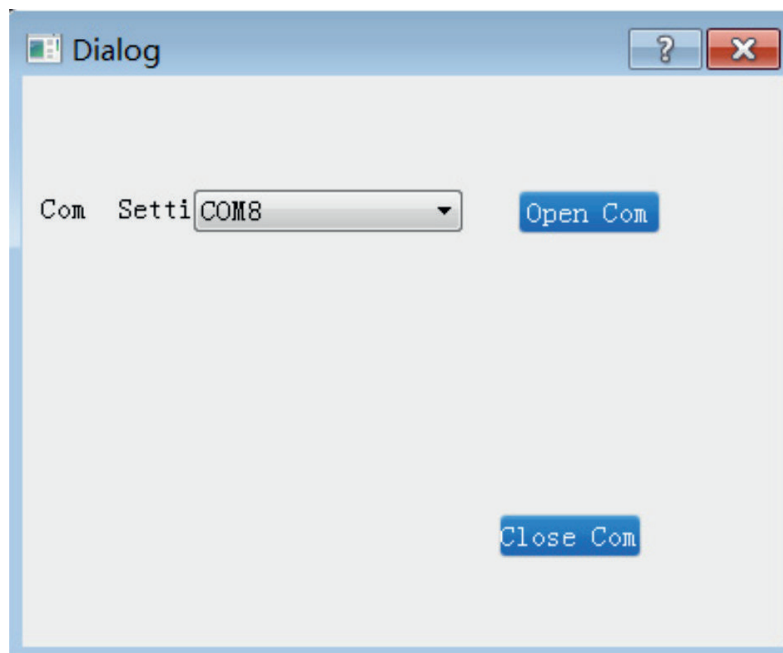


Sprache: Englisch und Chinesisch sind verfügbar

Gateway-Zeitkontrolle: Das Gateway 40VCBM17FQEE erfasst den Stromverbrauch. "Lokale PC-Zeit (Local PC time)" und "Benutzerzeit(User Time)" sind wählbar.

Temperatur-Einheiten: Einstellung der Temperatureinheiten für jede Oberfläche. Celsius und Fahrenheit sind optional.

Modbus Port-Einstellung : Die Oberfläche eines Drittanbieters stellt sie über die serielle Schnittstelle des Computers bereit.



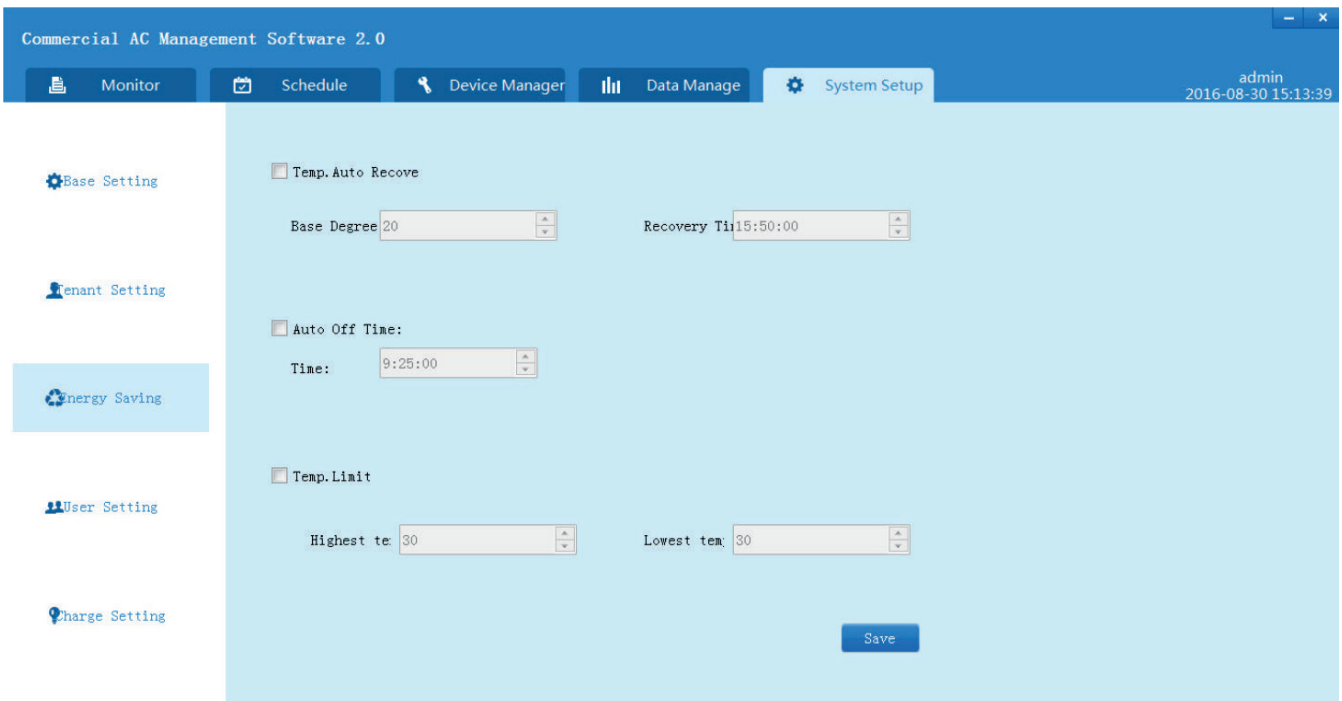
Verbinden Sie die serielle 485-Schnittstelle mit dem Computer, wählen Sie den entsprechenden Port in der Oberfläche für die Port-Einstellung aus und klicken Sie dann auf "Verbindung öffnen (Open Com)". Die Software von Drittanbietern kann die Innenklimageräte über diesen Port abfragen und steuern.

2. Energiespareinstellungen

Automatische Temperaturwiederherstellung: Wenn die Wiederherstellungszeit erreicht ist, wird die eingestellte Temperatur automatisch zum "Basisgrad (Base degree)".

Ausgeschaltet: Schaltet das Gerät AUS, wenn es die eingestellte Zeit erreicht.

Temperaturgrenze: Stellen Sie die Temperaturgrenze ein, um Energie zu sparen. Die eingestellte Temperatur darf im Heizbetrieb die höchste Temperatur nicht überschreiten und im Kühl- und Trockenbetrieb nicht niedriger als die niedrigste Temperatur sein.



Commercial AC Management Software 2.0

admin 2016-08-30 15:13:39

Monitor Schedule Device Manager Data Manage System Setup

Base Setting

Tenant Setting

Energy Saving

User Setting

Charge Setting

Temp. Auto Recove

Base Degree: 20 Recovery Time: 15:50:00

Auto Off Time:

Time: 9:25:00

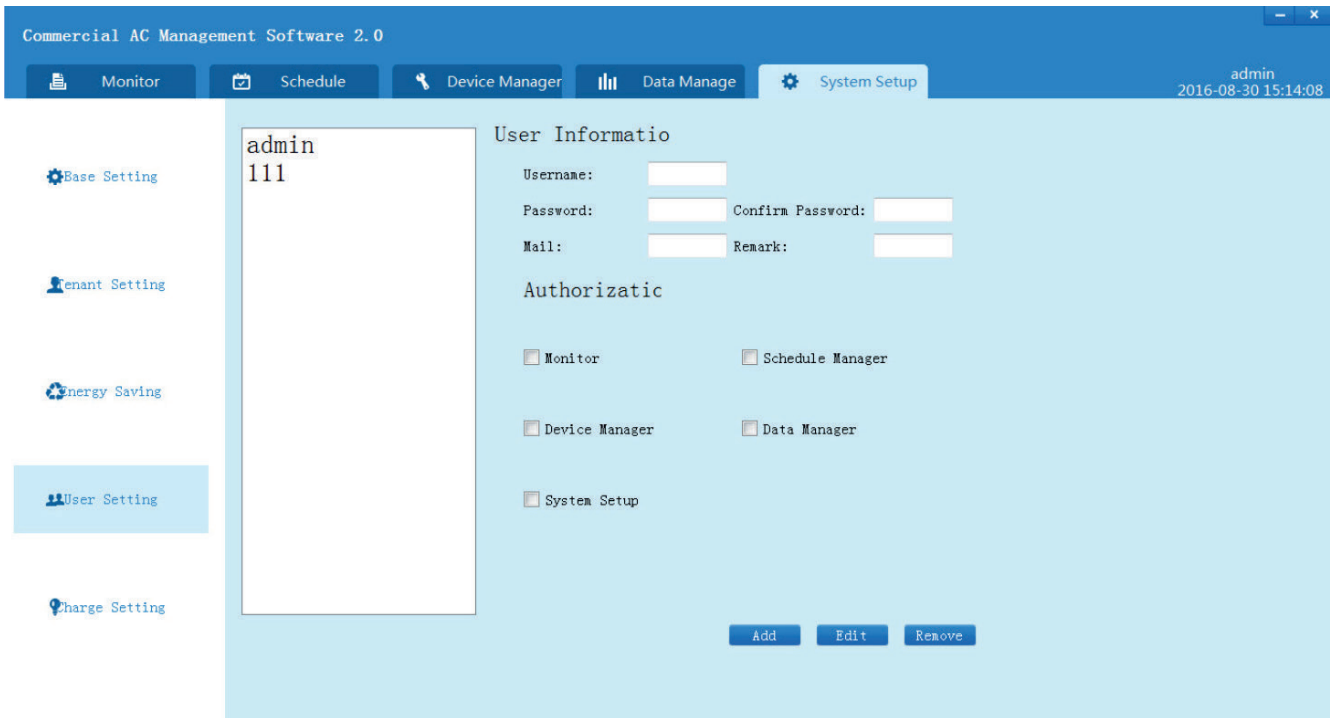
Temp. Limit

Highest tem: 30 Lowest tem: 30

Save

3. Benutzerverwaltung

Hinzufügen, Bearbeiten und Löschen der Benutzerinformationen, einschließlich Benutzername, Passwort, E-Mail und Bemerkung, und Festlegen der Berechtigungen für Benutzer.





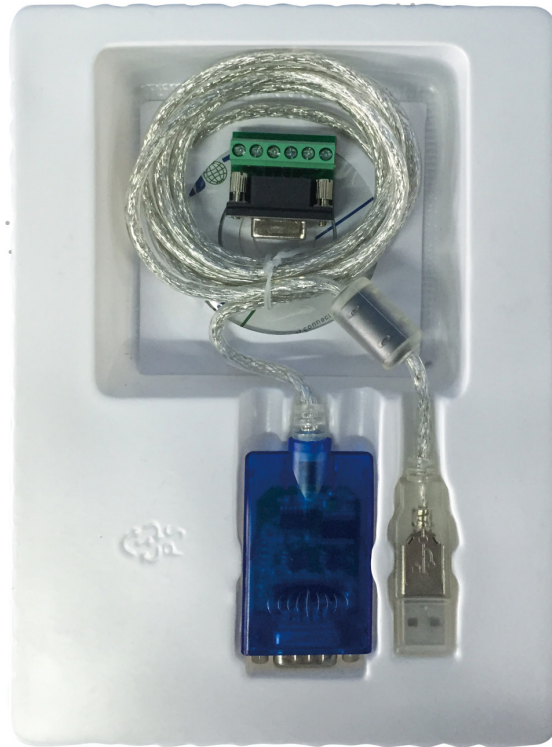
Turn to the experts

Der Hersteller behält sich das Recht vor, Produktspezifikationen ohne Vorankündigung zu ändern.

Informationen gemäß der Richtlinie 2006/42/EC Directive	
Name des Herstellers	Carrier SCS
Adresse, Ort, Land	Route de Thil - 01120 Montluel - Frankreich



Turn to the experts



Manual de Instalación y Funcionamiento

NOMBRE DE MODELO

40VCB117FQEE

No. 0150545715

Edición: 2021-04



Contenidos

Introducción breve.....	1
Diagrama de cableado del sistema.....	2
Instalación del software.....	7

El sistema BMS transfiere los datos de un aire acondicionado al ordenador a través del adaptador de protocolo de inversor (puerta de enlace). El usuario puede monitorizar el estado de funcionamiento de la unidad interior y de la unidad exterior en tiempo real usando un ordenador. Configurar los parámetros de tiempo del sistema; iniciar o parar unidades individualmente o en grupo, tal como se requiera. Recibir alarmas y adoptar algunas medidas en tiempo real.

Aparatos requeridos para el sistema 40VCB117FQEE

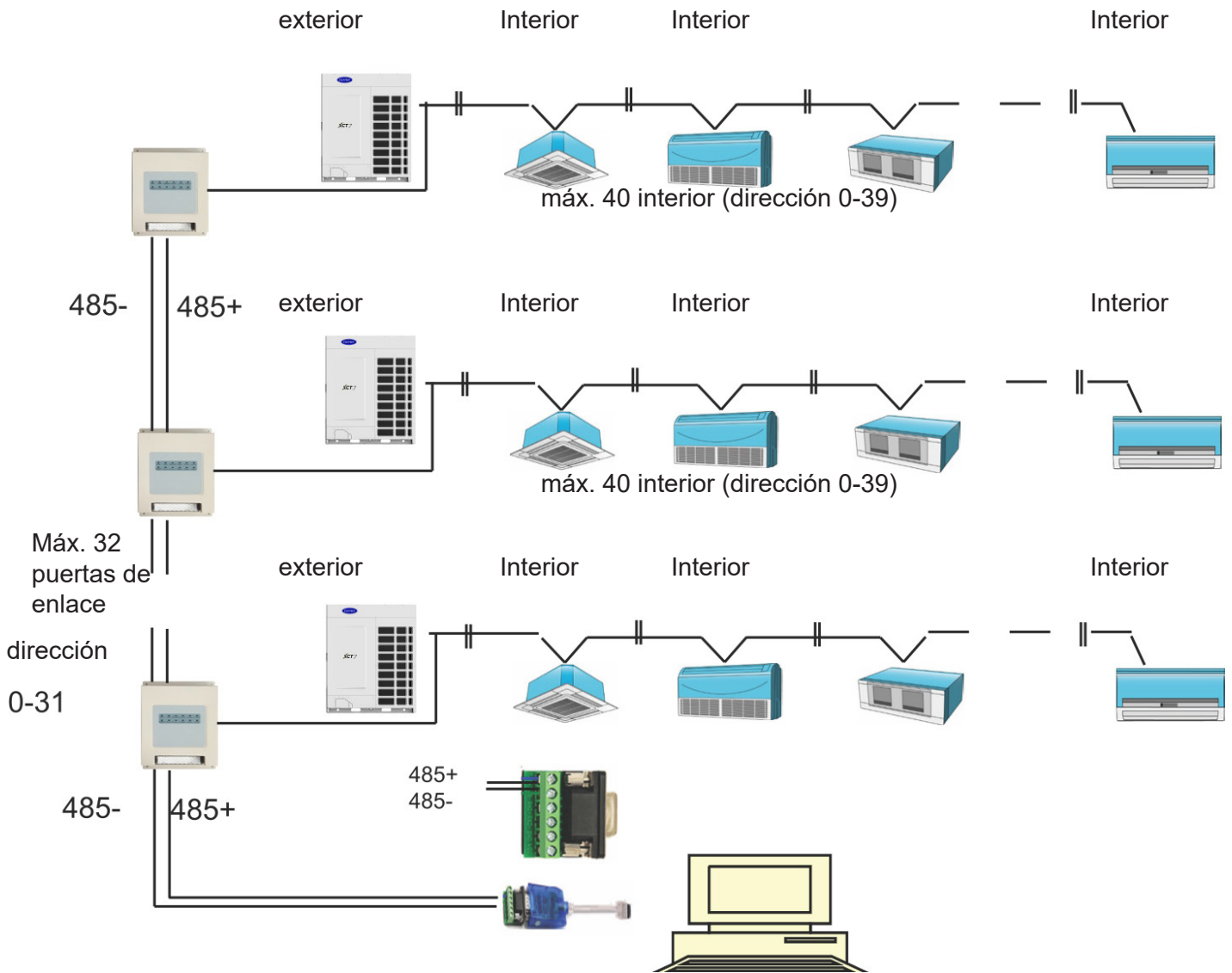
1. Puerta de enlace : Convierte el protocolo del sistema de aire acondicionado a protocolo 485.
2. Software: Habilita los parámetros AC vistos y controlados por ordenador. Solo se puede instalar un juego de software para cada ordenador.
3. Adaptador: USB a RS-485, convierte 485 a USB.
4. Puerta de enlace 40VCCR17FQEE, 40VCBM17FQEE.

Escala controlable

1. Se puede conectar un máximo (0-39) de 40 unidades de interior a un sistema de refrigeración.
2. Cada sistema de refrigeración requiere adaptador de protocolo y puerta de enlace.
3. Se puede conectar un máximo de 32 puertas de enlace a un juego de software. Se puede conectar un máximo de 512 unidades de interior a un juego de software.
4. Al instalar el software, el sistema controlará ya sea 32 puertas de enlace o 512 unidades de interior, como máximo de una vez. Bloquea el añadido de más puertas de enlace o unidades de interior al sistema.

Por ejemplo,

- El software (40VCB117FQEE) ha sido conectado a 32 puertas de enlace y 200 unidades de interior. No se puede añadir más puertas de enlace.
- El software (40VCB117FQEE) ha sido conectado a 512 unidades de interior y 20 puertas de enlace. No se puede añadir más unidades de interior, aunque el software todavía puede añadir otras 12 puertas de enlace.

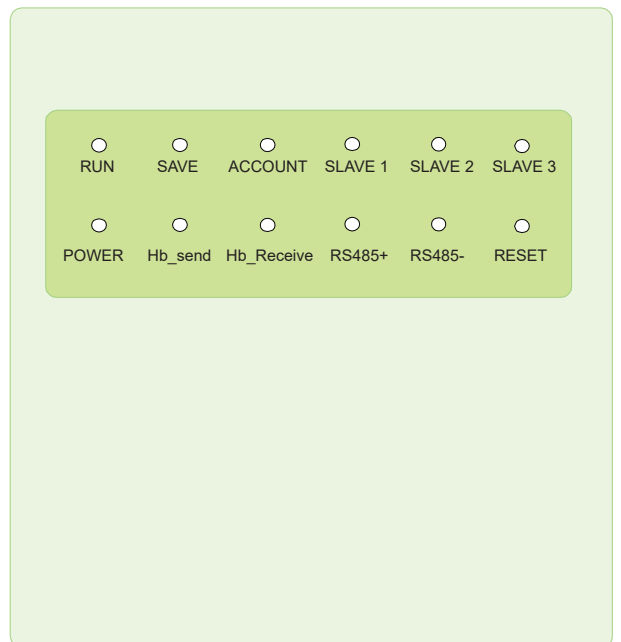


Apariencia y dimensiones del adaptador de protocolo

Apariencia:



Dimensiones: 200*130*43(mm)



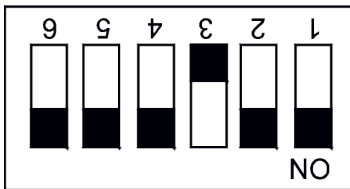
Requisitos de cableado

1. El adaptador de protocolo requiere alimentación eléctrica de 220V CA.
2. La línea de comunicación entre la unidad interior y la unidad exterior y la línea bus 485 entre adaptadores de protocolo debe pasar a través de manguito de cable de acero en el H-CACSII.
3. Configurar la dirección central interior y la dirección de unidad interior/exterior manualmente.
4. El sistema con H-CACSII no debe establecer la función de grupo del controlador por cable.

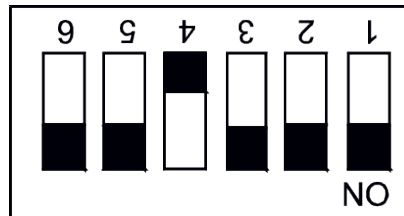
Ajuste del conmutador Dip:

ON: 0; OFF: 1

Izquierda 4



Derecha 8



Muestra la dirección de 40VCBM17FQEE, rango de dirección: 1-32.

Definición de luz de comunicación:

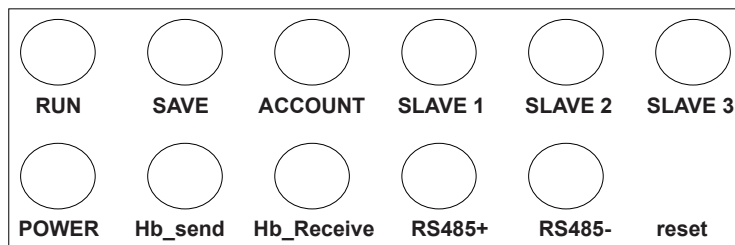
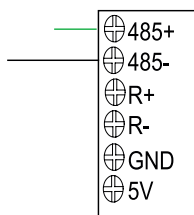
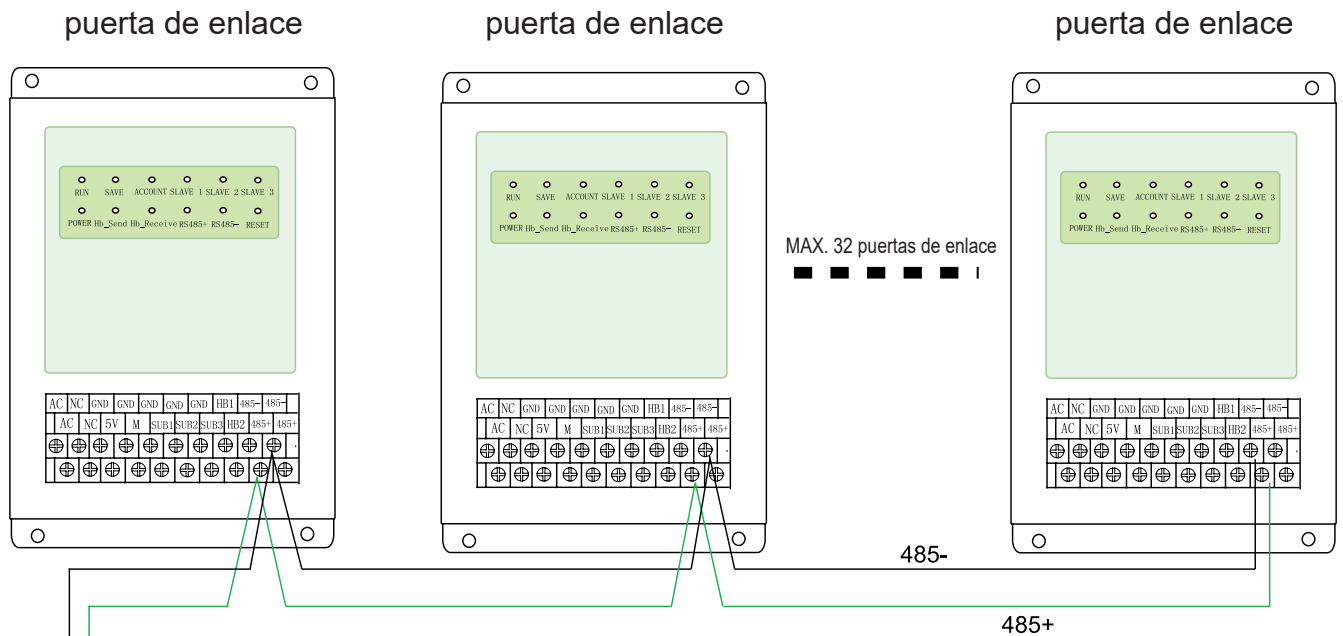
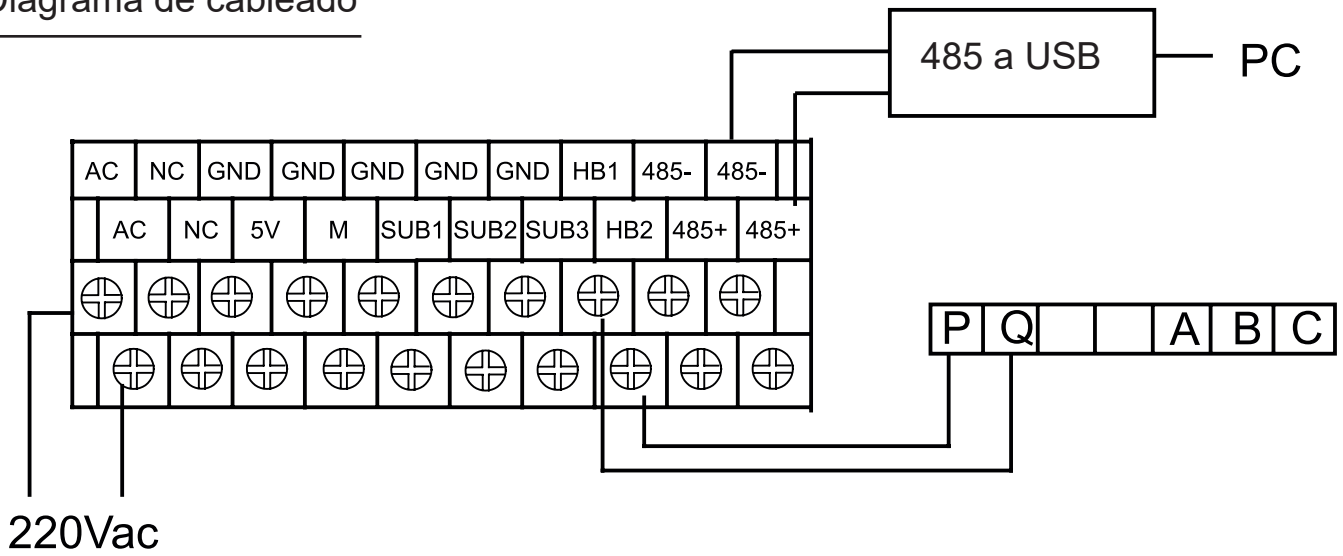


Diagrama de cableado

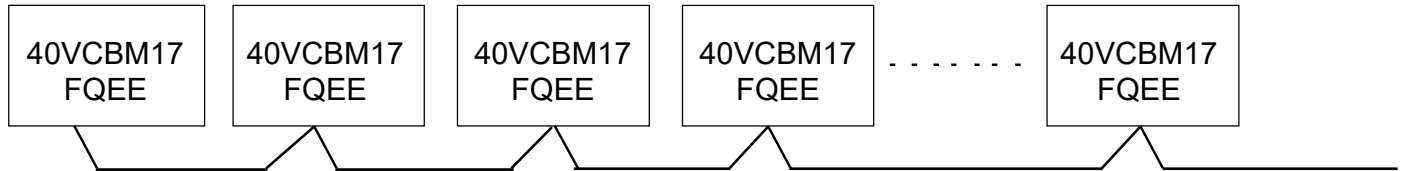


Adaptador: RS-485 a USB



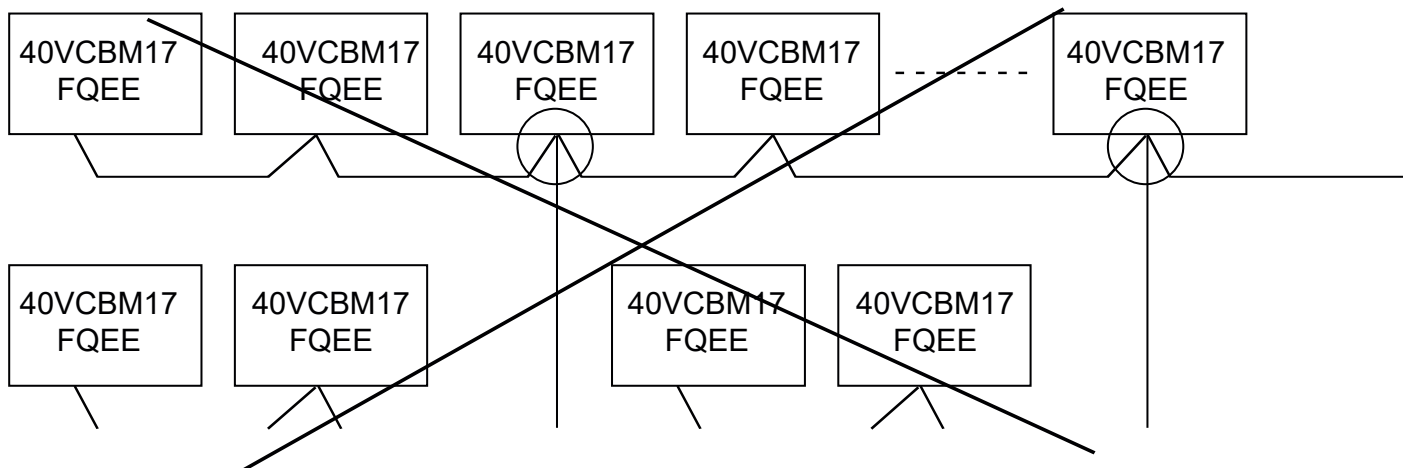
Cableado:

1. Cables de alimentación eléctrica: 220VCA, 50hz.
Usar especificaciones requeridas y fijar firmemente.
2. Cables de comunicación:
Los cables entre 40VCBM17FQEE deben usar dos cables con polaridad y una conexión de bucle.



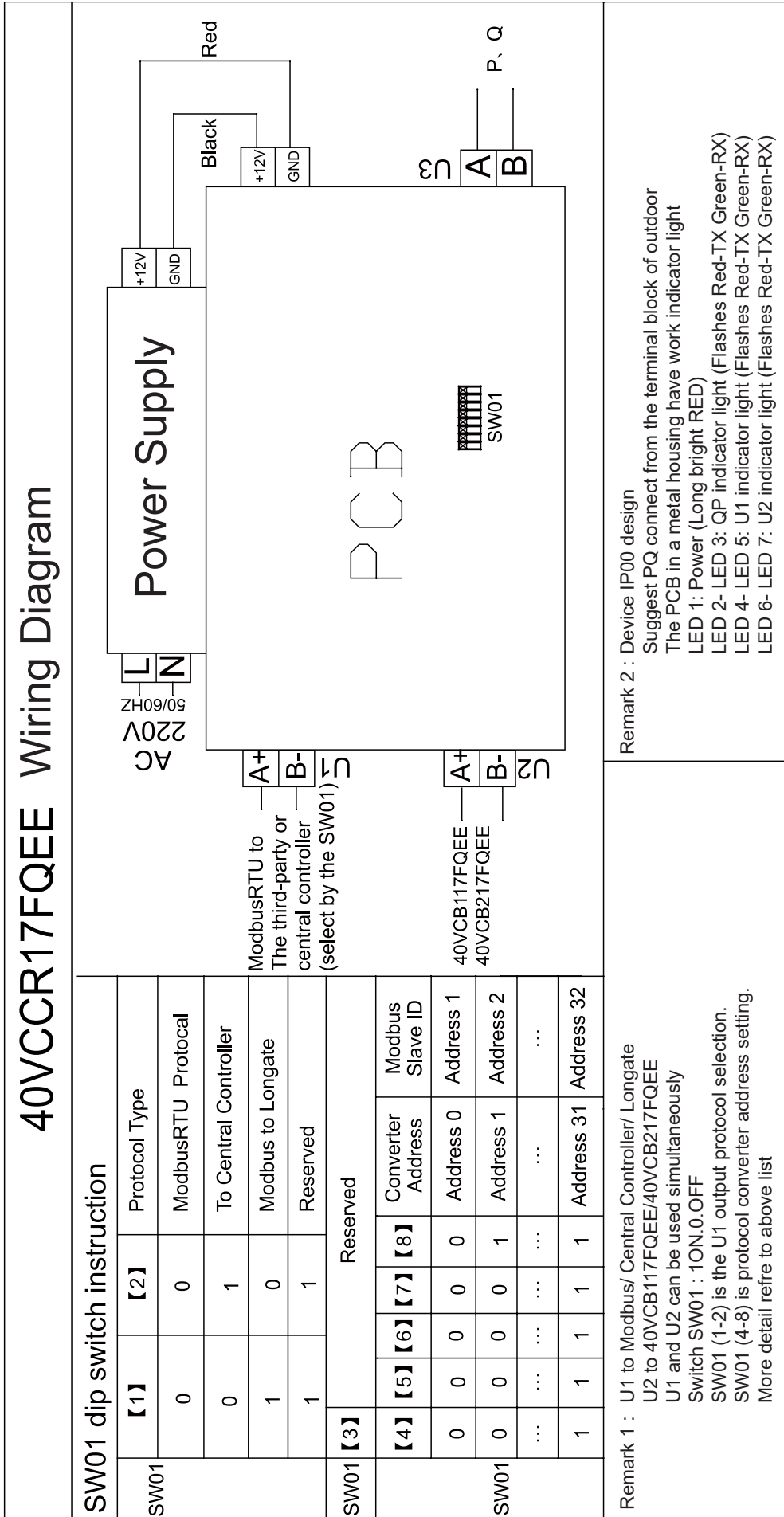
Advertencia:

No se permiten las conexiones siguientes (que tengan interconexión):



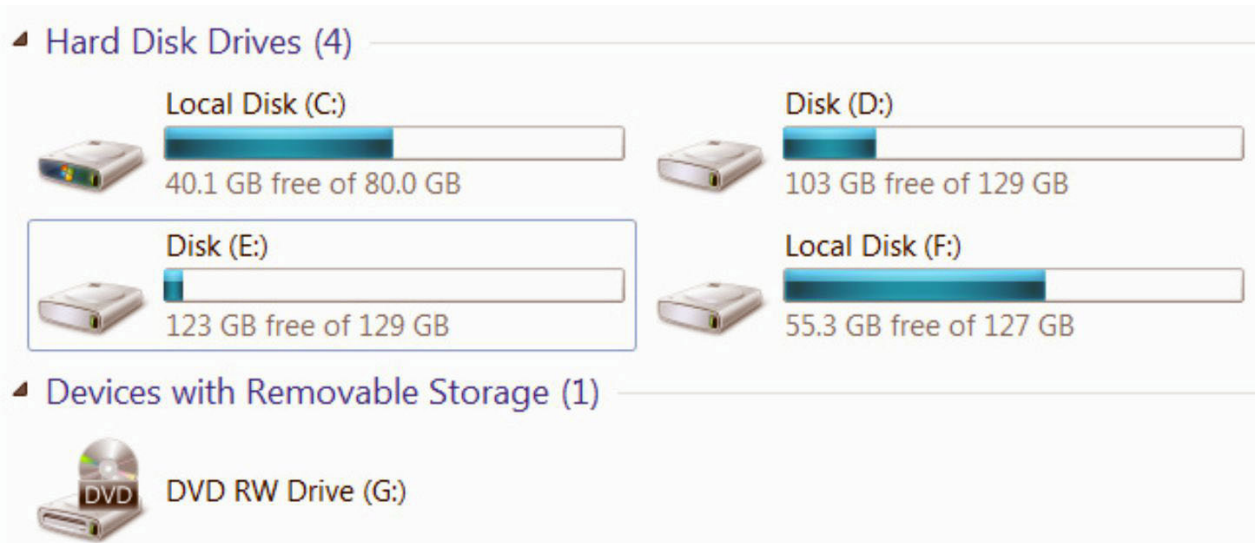
Notas:

- (1) Los cables de comunicación entre 40VCBM17FQEE y 40VCBM17FQEE deben usar cables blindados de dos núcleos y tener toma a tierra.
 - (2) Usar manguitos de cable al instalar los cables de comunicación, que deben estar separados de los cables de alimentación.
 - (3) Los cables de comunicación son sensibles a la polaridad
 - (4) La longitud total de los cables de comunicación debe ser de 500m como máximo.
-
3. Como máximo pueden usarse 40 series de unidades de interior en cada sistema de exterior;
 4. Al usar 40VCBM17FQEE, configurar la dirección de las unidades de interior manualmente desde la N° 0 hasta la última en cada serie de sistema de unidad exterior. Mantener la misma dirección de la unidad interior y unidad exterior (sw03) y la dirección central (sw02) de la misma unidad interior.
 5. La línea entre la unidad interior y la unidad exterior, la línea entre puerta de enlace y puerta de enlace y la línea de pulsos deben tener como mínimo una separación de 20cm respecto a la línea de alta tensión.



Instalación de la base de datos

1. Insertar el disco en el CD-ROM. Pulsar dos veces el icono (tal como se muestra):



2. El disco contiene varios archivos de controlador para diferentes sistemas informáticos.

Name	Date modified	Type
Linux x64 (64-bit)	2016/4/19 16:36	File folder
Linux x86 (32-bit)	2016/4/19 16:36	File folder
Linux x86_64	2016/4/19 16:36	File folder
Mac OS 8 9	2016/4/19 16:36	File folder
Mac OS X 10.9 and above	2016/4/19 16:36	File folder
uninstall software	2016/4/19 16:36	File folder
win xp server2003 2008 2012 Vista 7 8 8.1 10 32-64bit	2016/4/19 16:36	File folder
win98 ME	2016/4/19 16:36	File folder
Date created: 2016/10/9 17:28 Size: 656 KB Folders: 232, 2232	2016/4/19 16:36	File folder
Windows CE 4.2-5.2 Mobile 5 6 PocketPC 2003 ARM XScale Processor	2016/4/19 16:36	File folder
Windows CE 6.0 ARM XScale Processor	2016/4/19 16:36	File folder
Windows CE 6.0 x86 Processor	2016/4/19 16:36	File folder
Windows CE 2013	2016/4/19 16:36	File folder
LINUX README.txt	2016/4/19 16:36	Text Document

3. Escoger el controlador correspondiente a su ordenador. Por ejemplo escoger win7 32bits. Pulsar dos veces



y aparecerá.

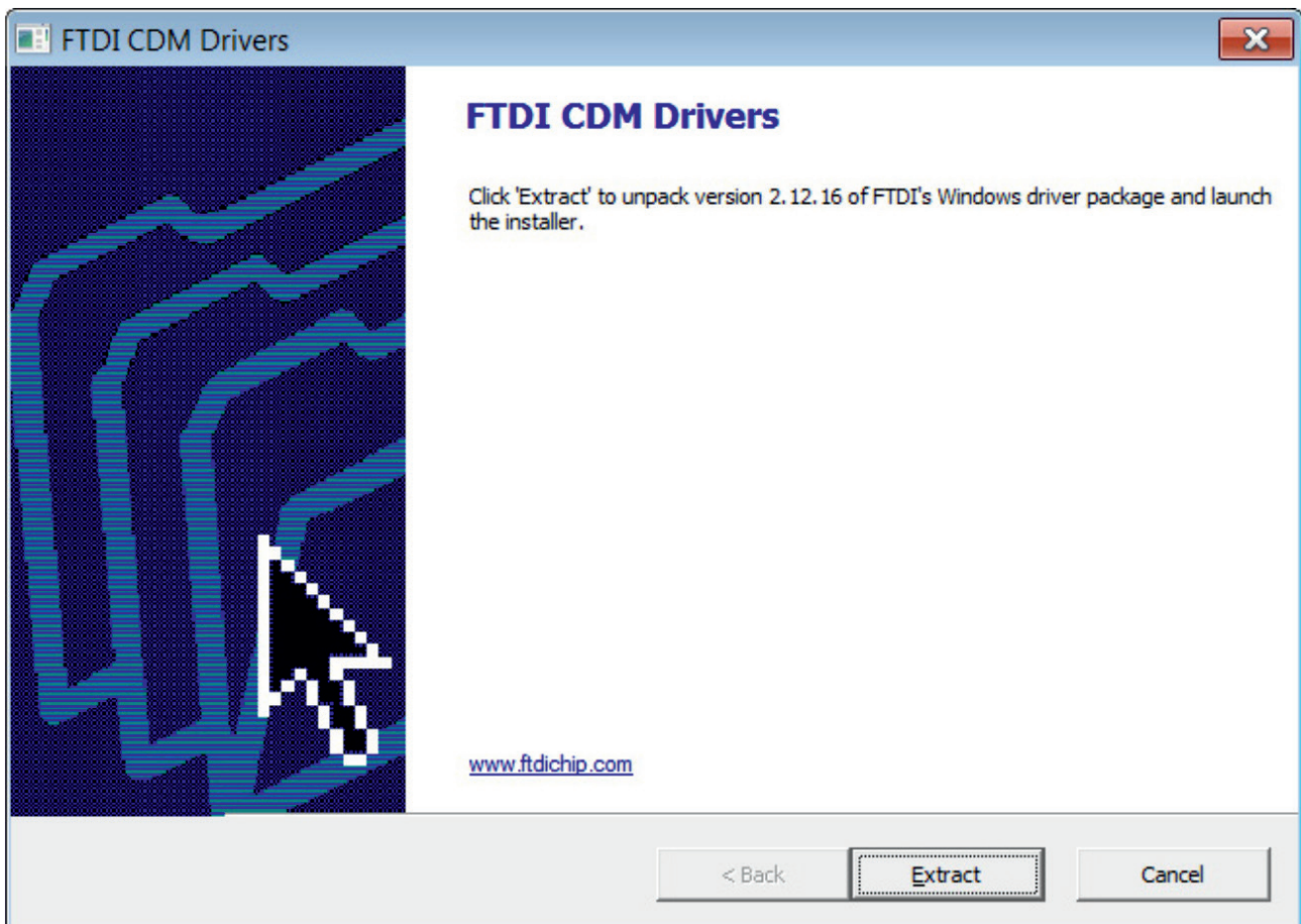
amd64	2016/4/19 16:36	File folder	
i386	2016/4/19 16:36	File folder	
Static	2016/4/19 16:36	File folder	
CDM 2 12 16 Release Info.rtf	2016/4/19 16:36	RTF 格式	216 KB
CDM v2.12.16 WHQL Certified.zip	2016/4/19 16:36	好压 ZIP 压缩文件	1,322 KB
CDM21216_Setup.exe	2016/4/19 16:36	Application	2,075 KB
CDM21216_Setup.rar	2016/4/19 16:36	好压 RAR 压缩文件	2,021 KB
ftd2xx.h	2016/4/19 16:36	H File	40 KB
ftdibus.cat	2016/4/19 16:36	Security Catalog	15 KB
ftdibus.inf	2016/4/19 16:36	Setup Information	18 KB
ftdiport.cat	2016/4/19 16:36	Security Catalog	14 KB
ftdiport.inf	2016/4/19 16:36	Setup Information	15 KB

Type: Security Catalog
Size: 13.3 KB

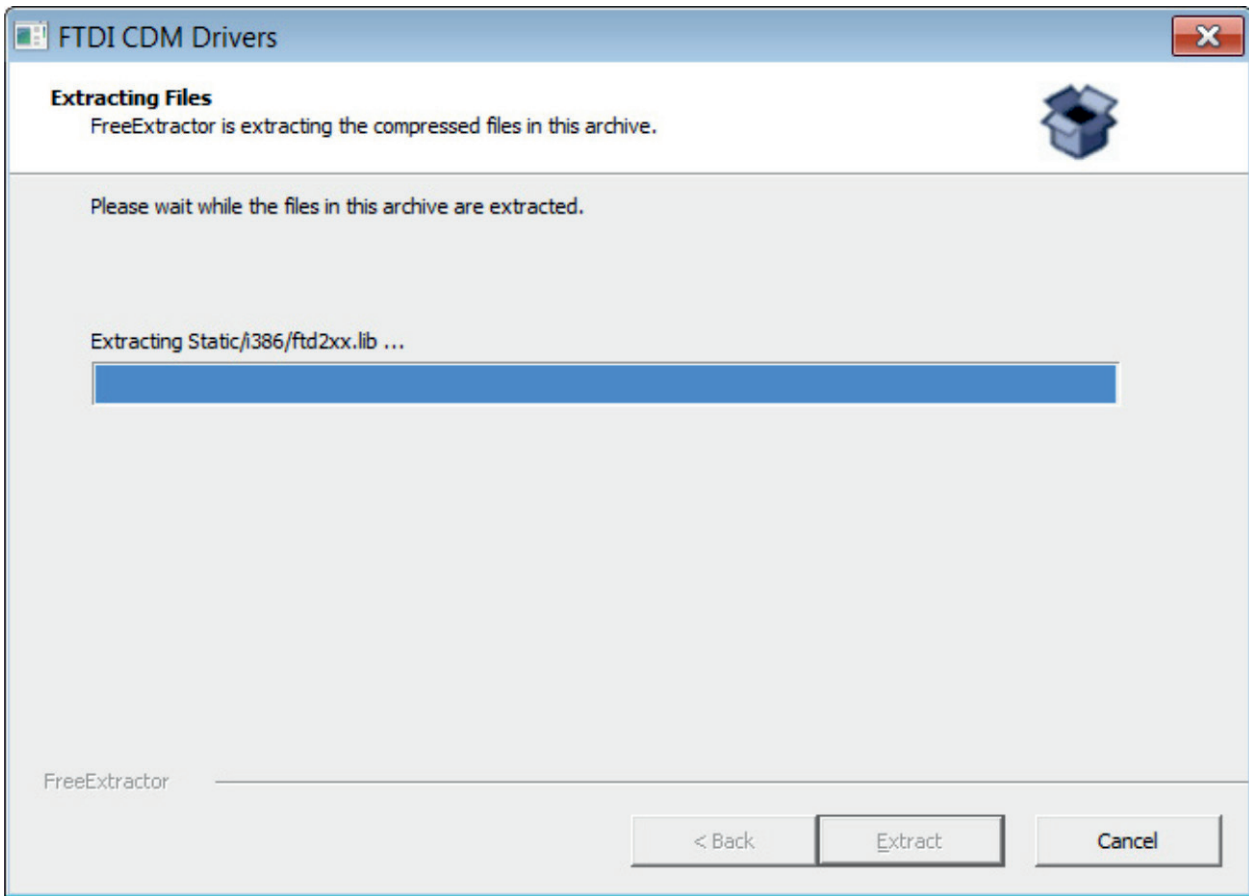
4. Pulsar dos veces

CDM21216_Setup.exe	2016/4/19 16:36	Application	2,075 KB
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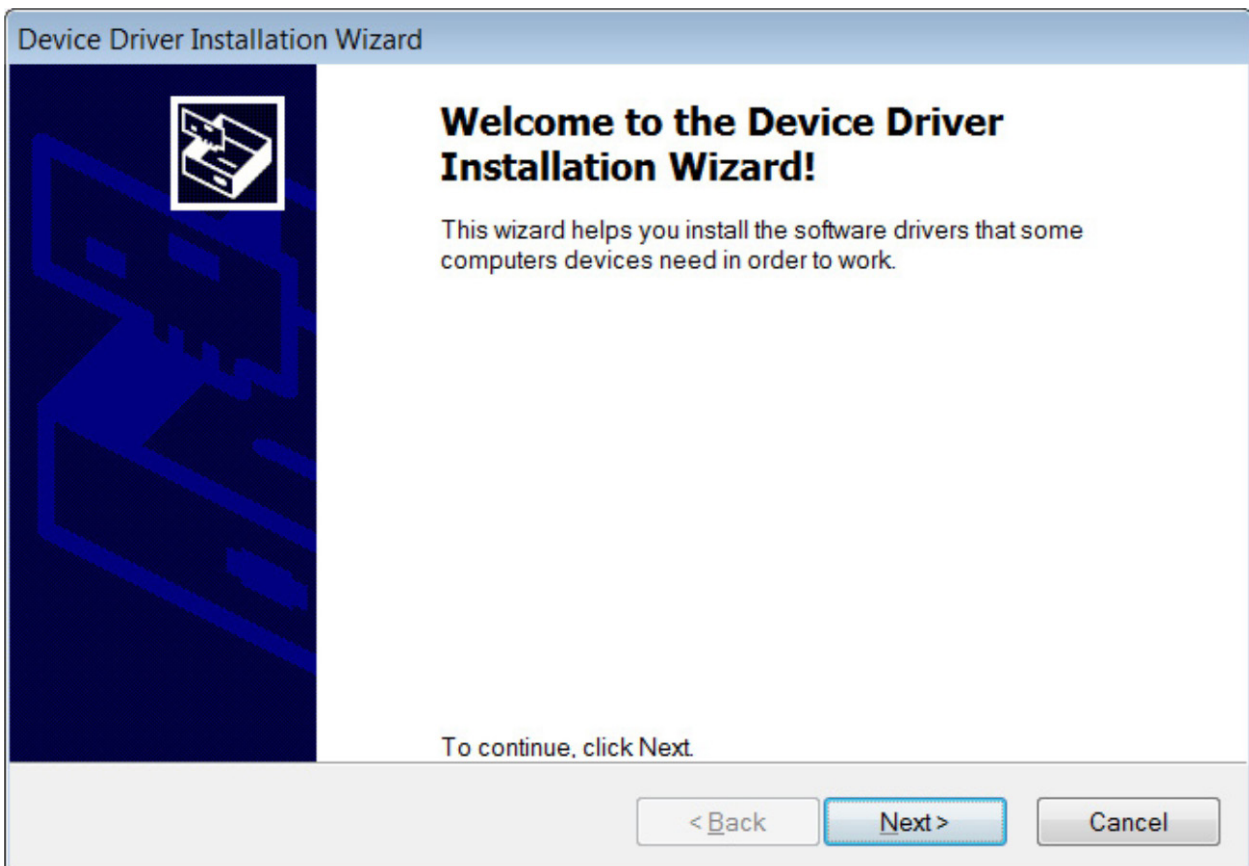
5. La instalación comienza de la manera siguiente. Pulsar en la pestaña 'Extraer'



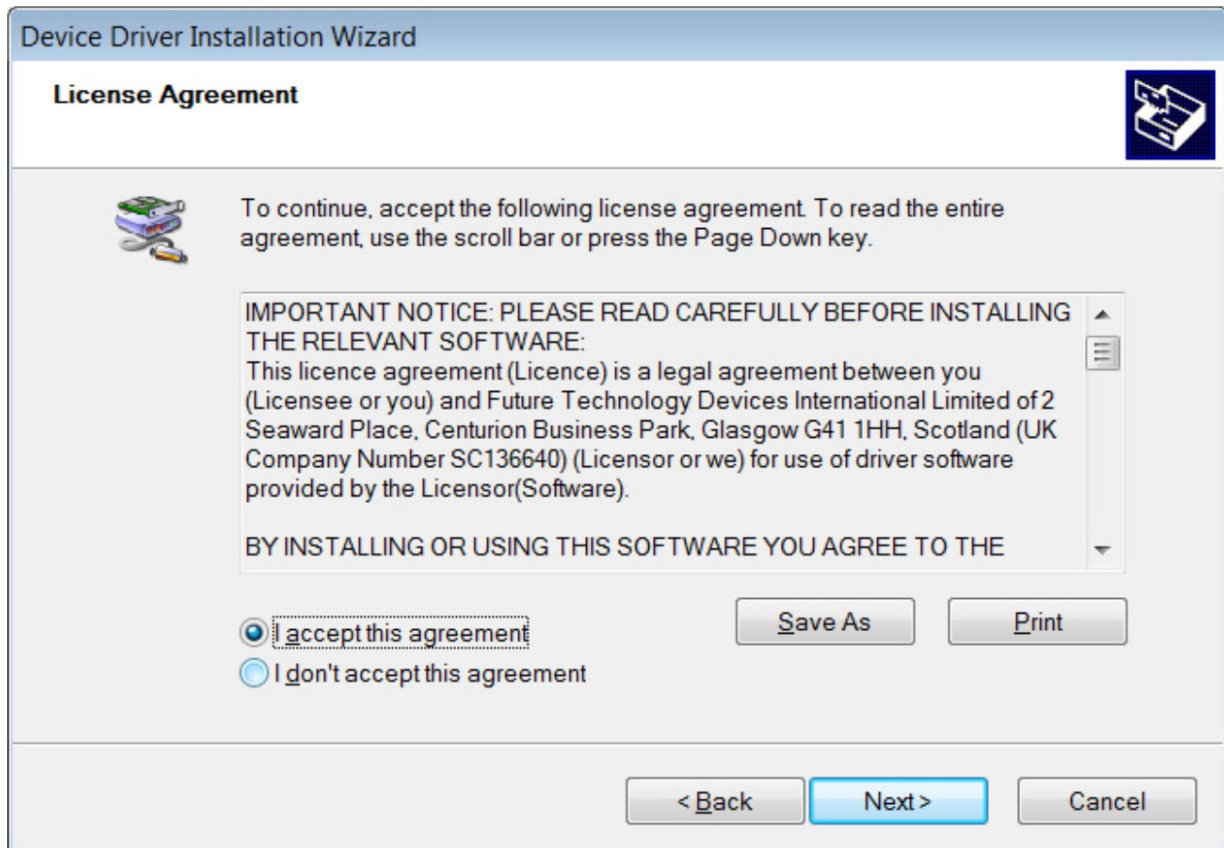
6. La instalación del controlador está en curso



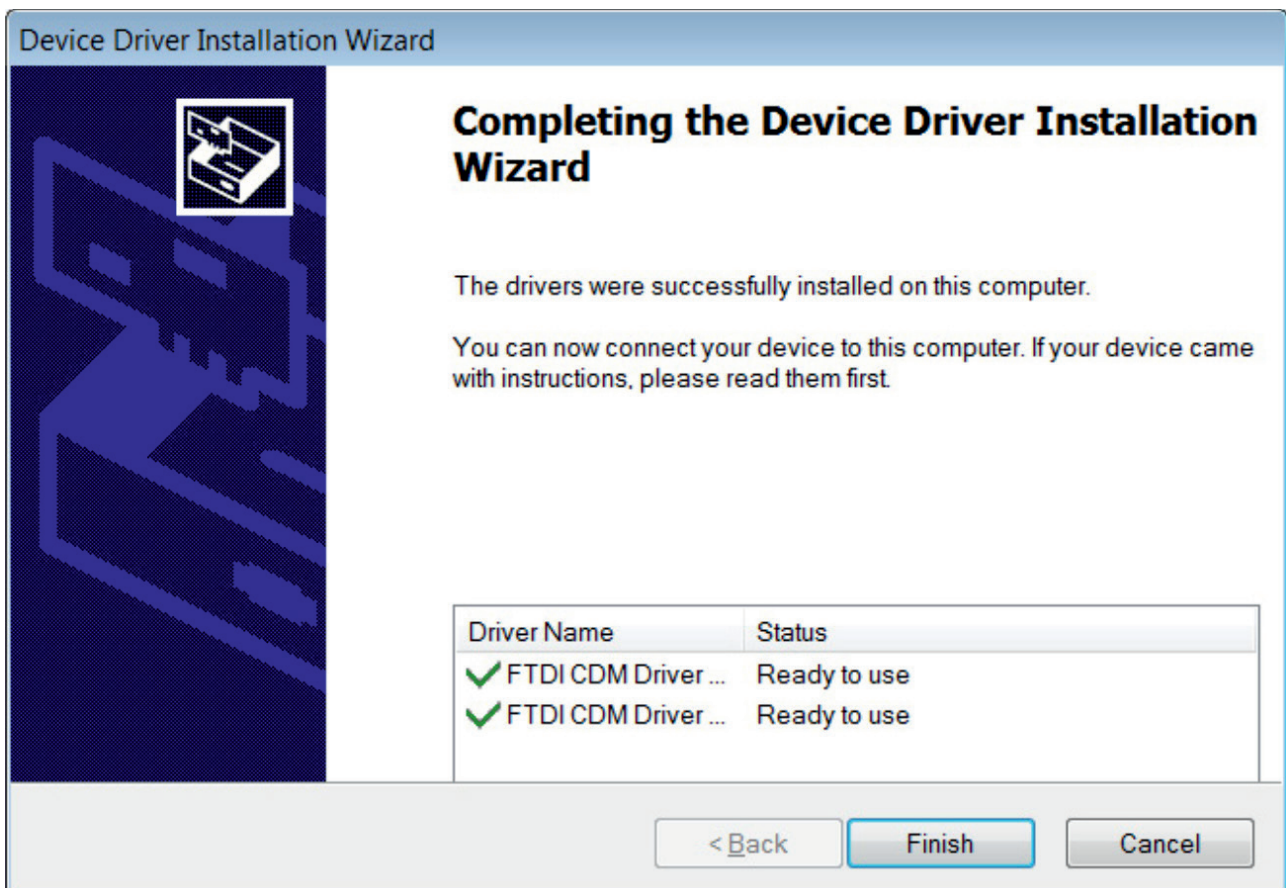
7. Pulsar en la pestaña 'Siguiente'



8. Pulsar en **accept this agreement** y luego en la pestaña 'Siguiente'

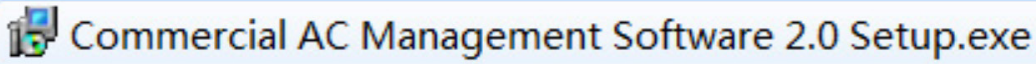


9. Pulsar en la pestaña 'Finalizar' después de que se haya instalado el controlador.

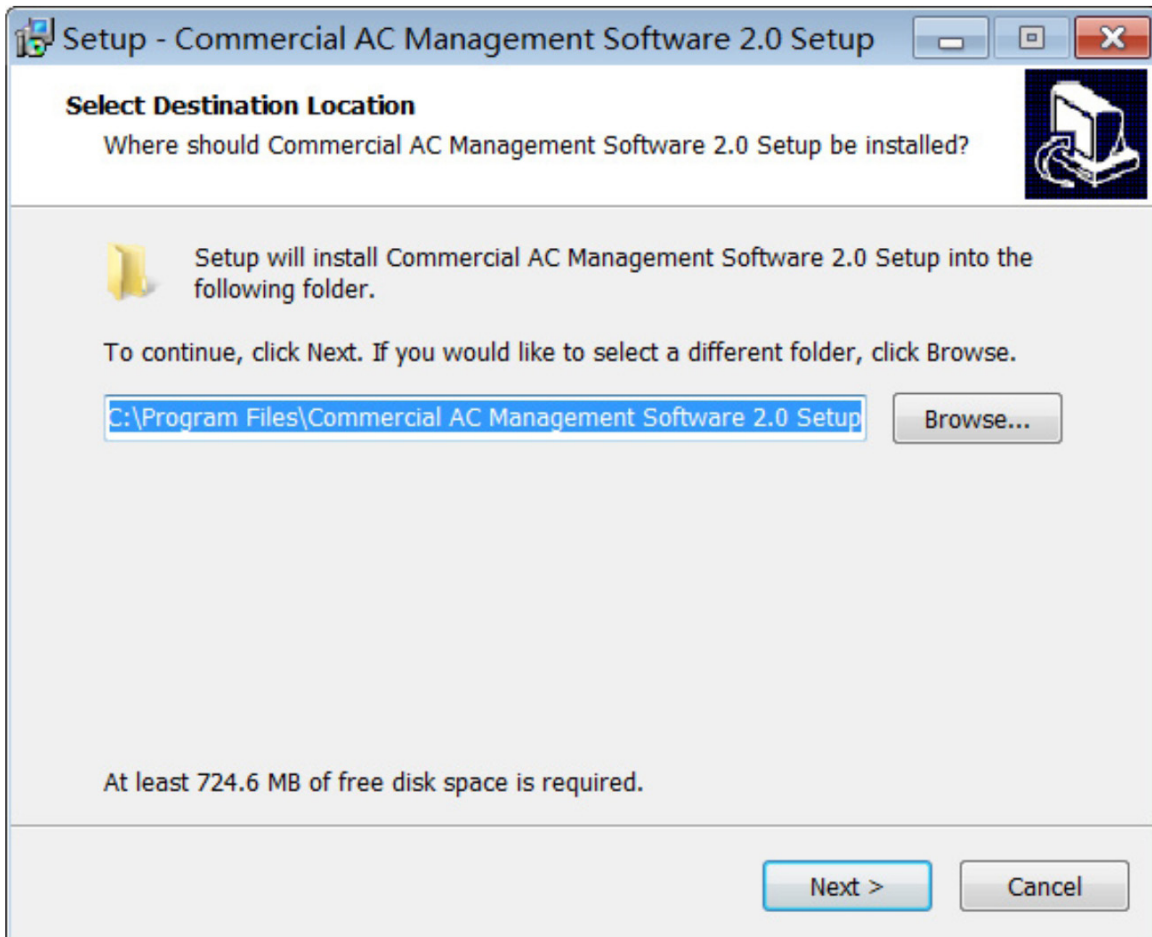


Instalación e inicio del software de administración

1. Instalación del software de administración

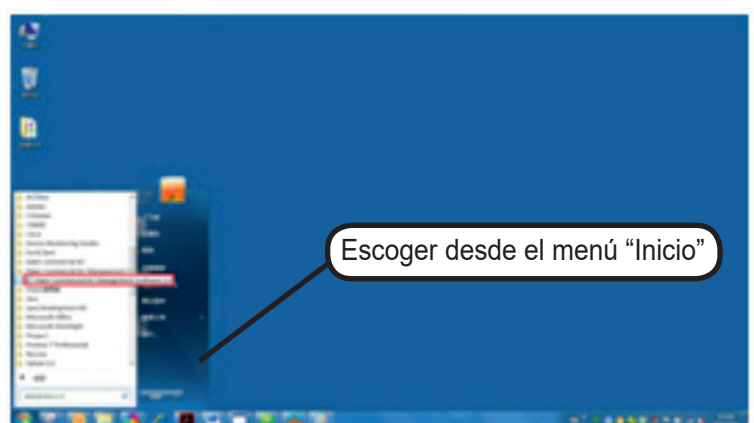
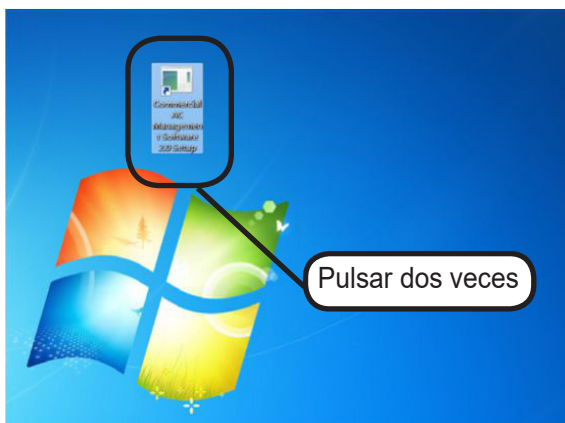


Pulsar dos veces para iniciar la instalación, luego presionar la pestaña “siguiente” para completar la instalación.



2. Inicio

Pulsar dos veces el icono “Software de administración de AC comercial 2.0” en el escritorio, o escoger “Software de administración de AC comercial 2.0” del menú “inicio”.



Se requiere registro para ejecutarlo por primera vez.

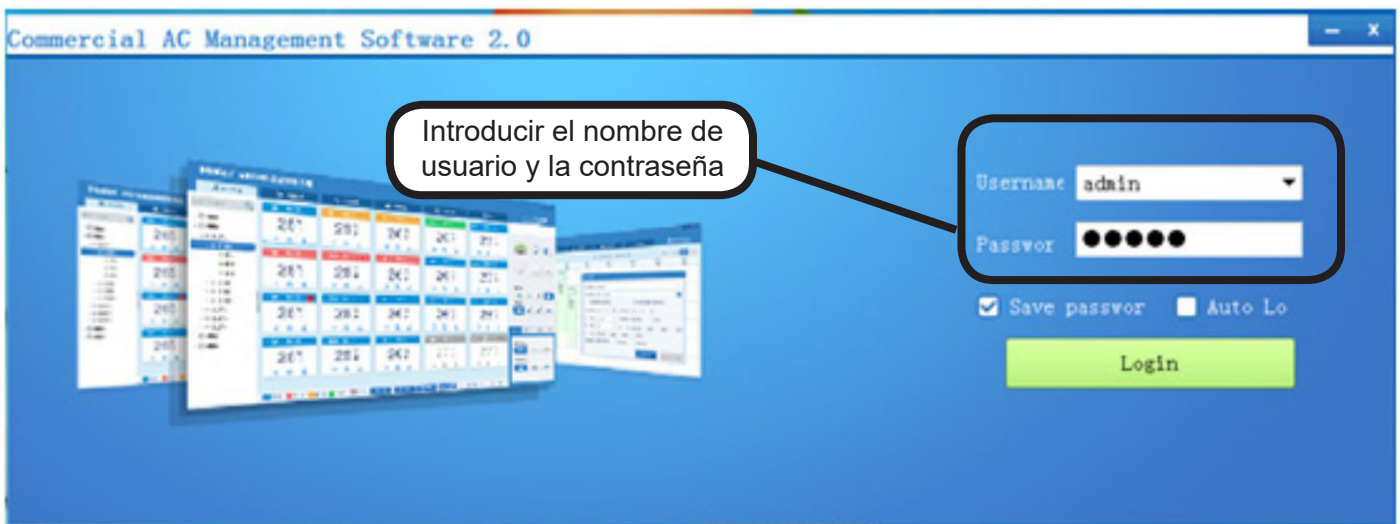


Pulsar “Generar SN”, para generar el código SN y luego enviarlo al técnico para obtener el archivo “license.dat”. Después de obtener el archivo “license.dat”, copiarlo al directorio de instalación para cubrir el anterior archivo “license.dat”. Escoger el programa de software y luego reiniciar el programa de software para que funcione adecuadamente.

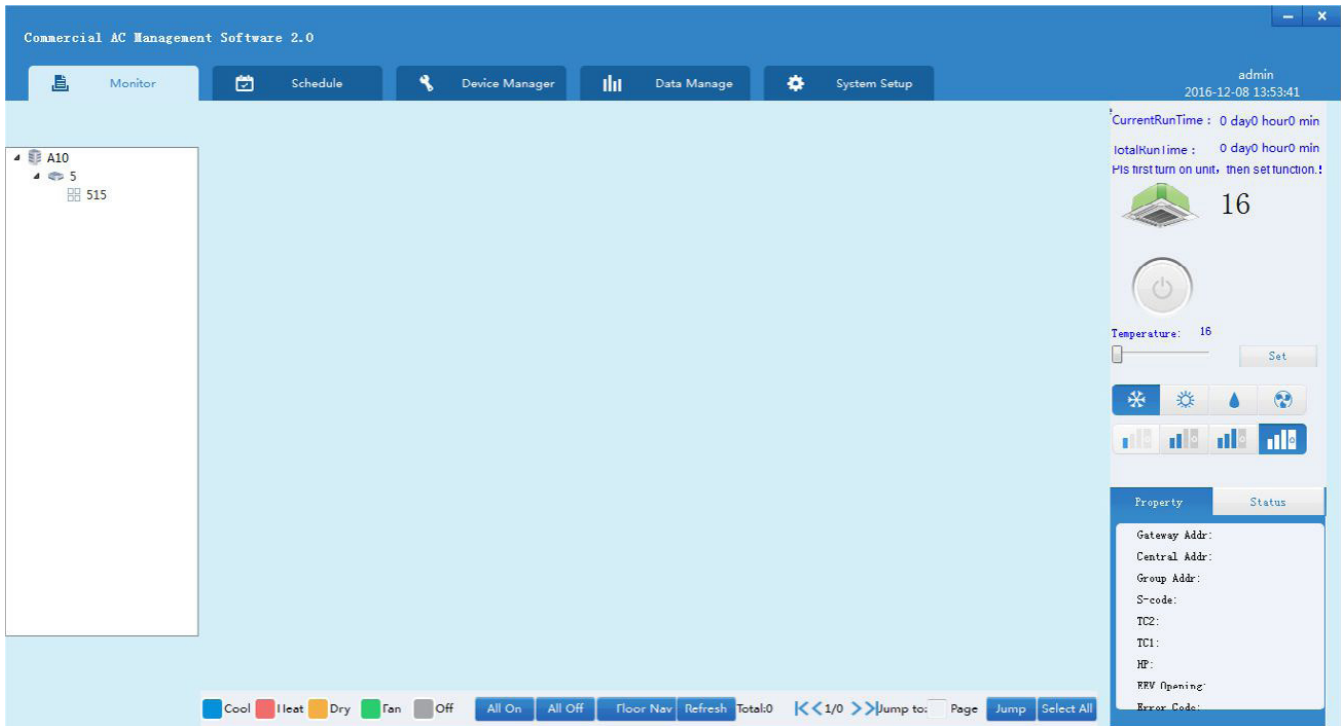
Insertar el nombre de usuario y la contraseña en la ventana de inicio de sesión.

Nombre de usuario: admin (predeterminado)

Contraseña: 12345 (predeterminada)



Después de introducir el nombre de usuario y la contraseña, pulsar “iniciar sesión” para entrar en la interfaz principal, tal como se muestra en la imagen siguiente.

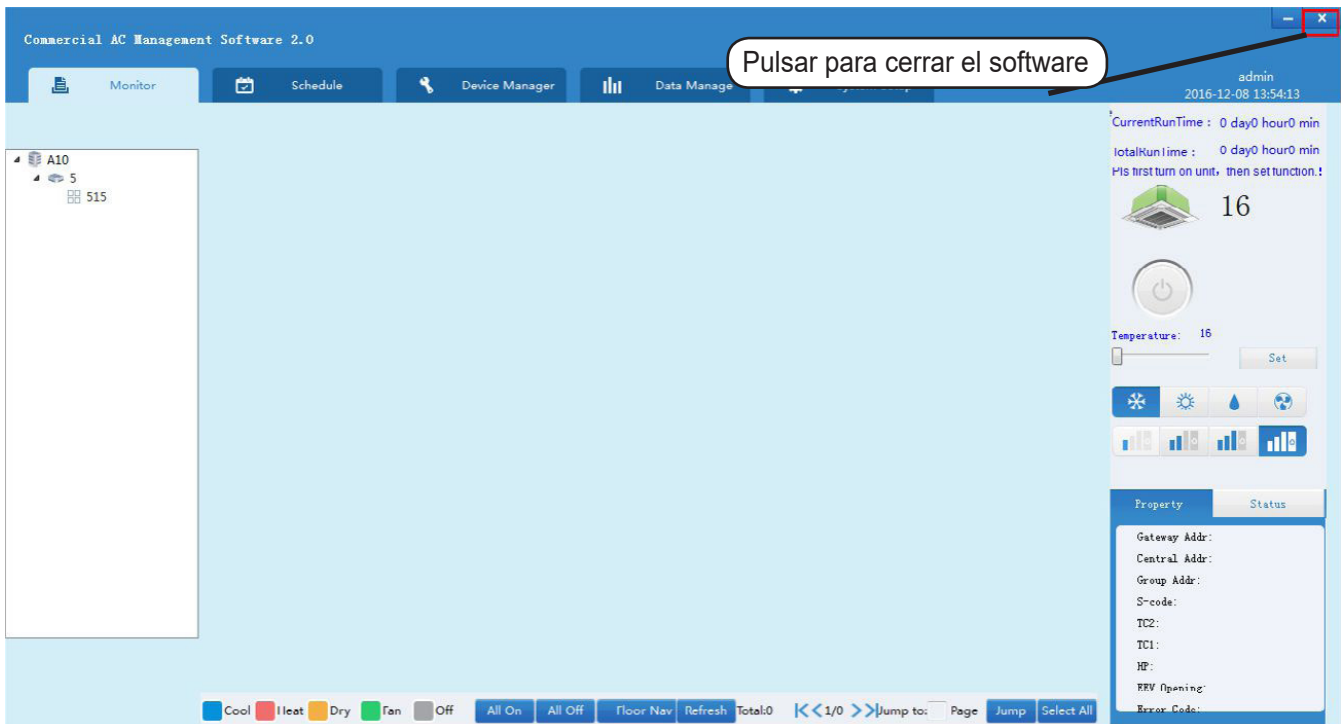


3. Parada del programa de software

Al cerrar la alimentación del ordenador, seguir dos pasos:

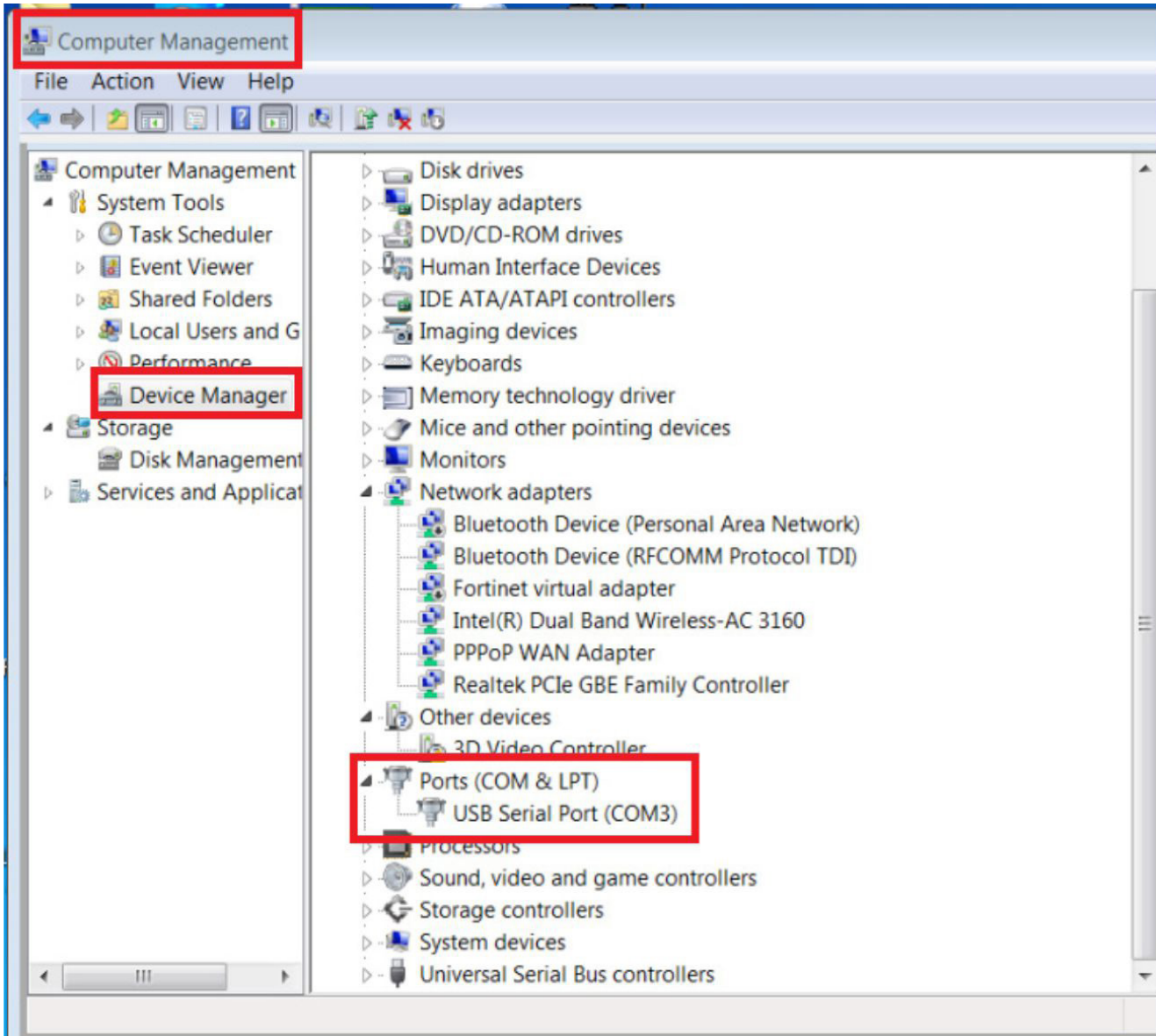
- ① salir de “Software de administración de AC comercial 2.0” y luego
- ② salir de Windows

Antes de salir de “Software de administración de AC comercial 2.0” pulsar la “X” de la esquina superior derecha de la página de interfaz principal y luego salir de Windows.



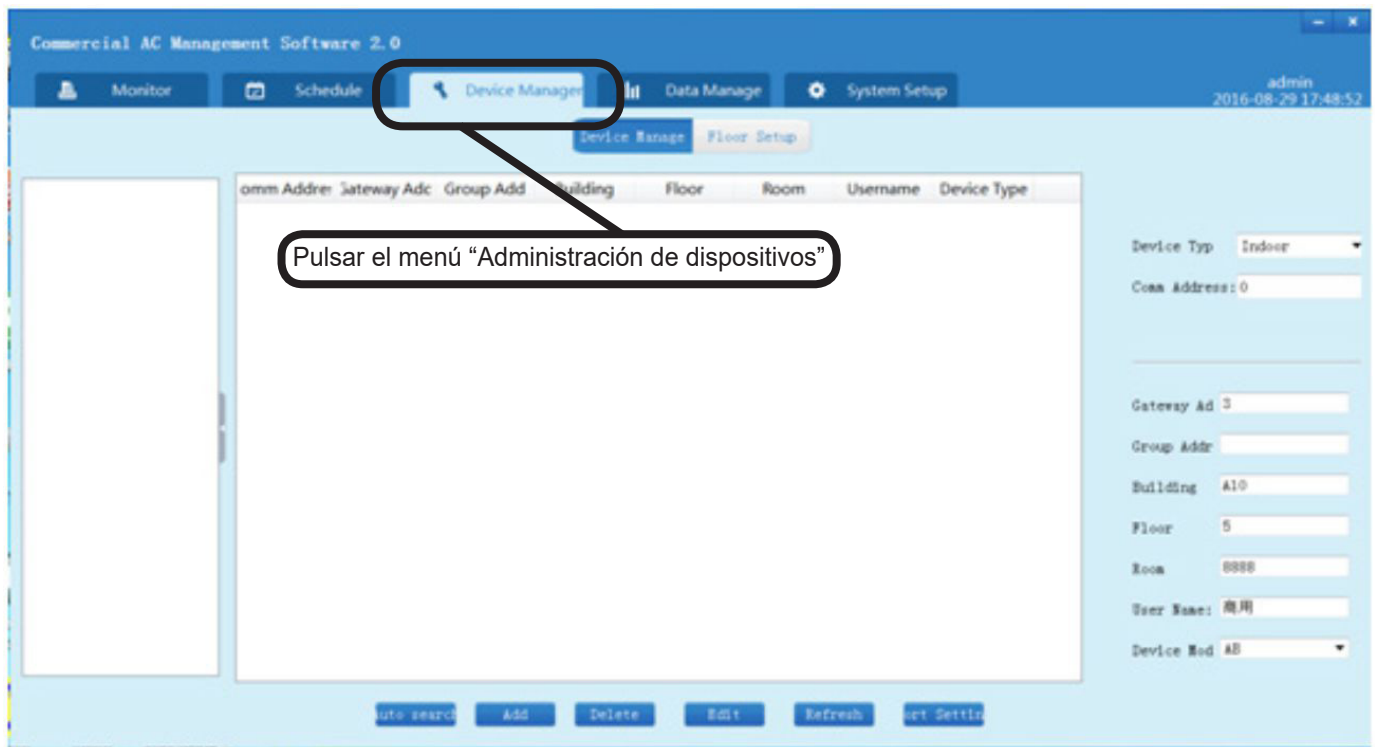
Configuración del puerto de comunicación

1. Configurar el número de puerto conforme al puerto conectado verificado. Comprobar el número de puerto actual desde Administración de ordenador-Gestor de dispositivos.

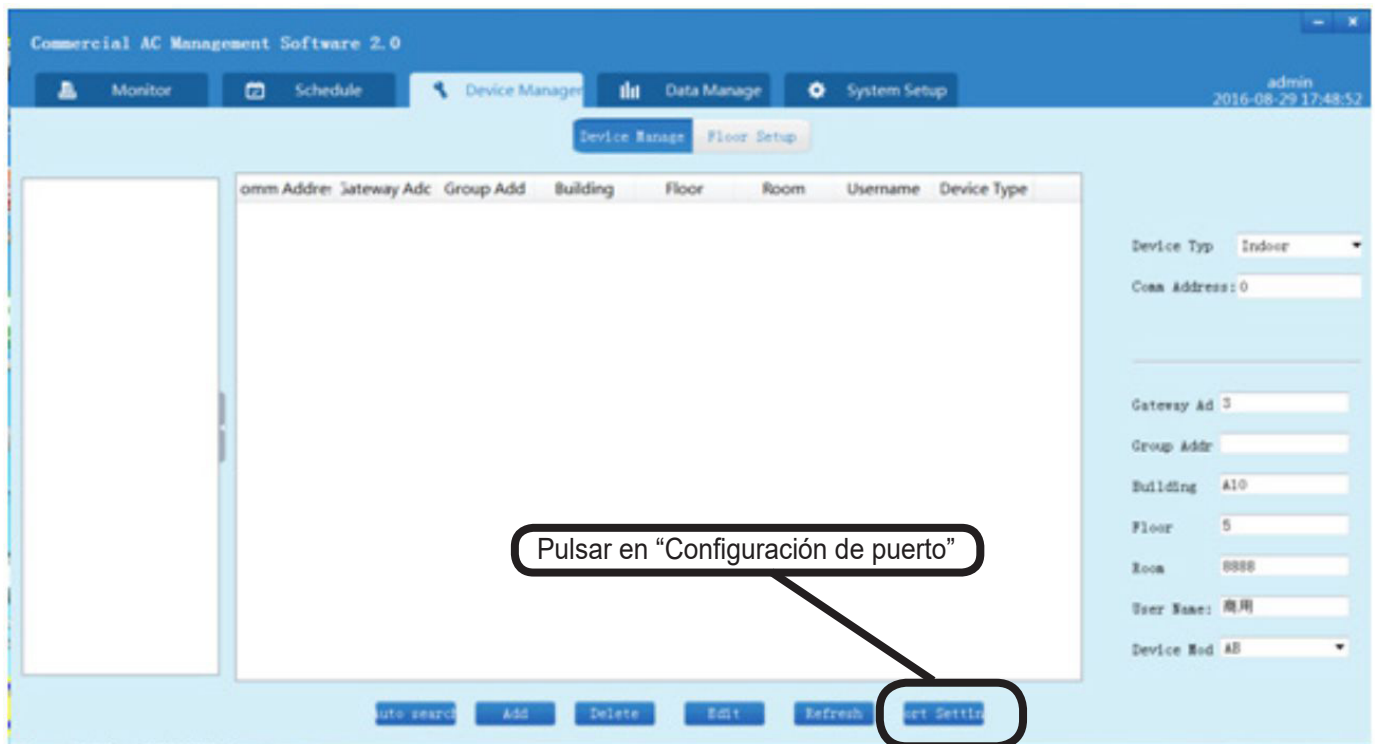


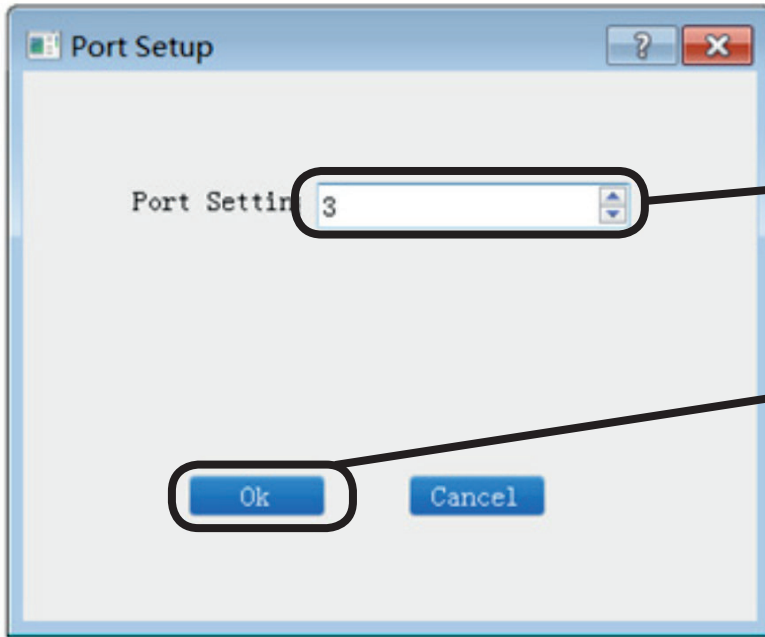
Tal como se muestra en la imagen anterior, el puerto conectado es COM3, así que el número de puerto correspondiente será 3.

2. Pulsar la pestaña “Administración de dispositivos” en el menú



3. Pulsar la pestaña “Configuración de puerto” en la parte inferior derecha.

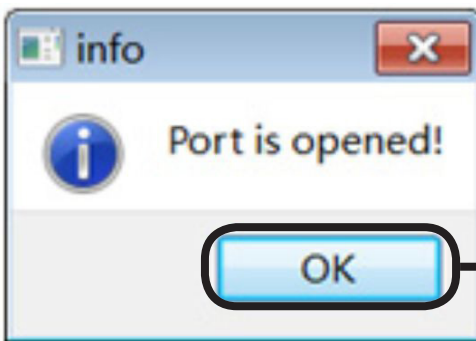




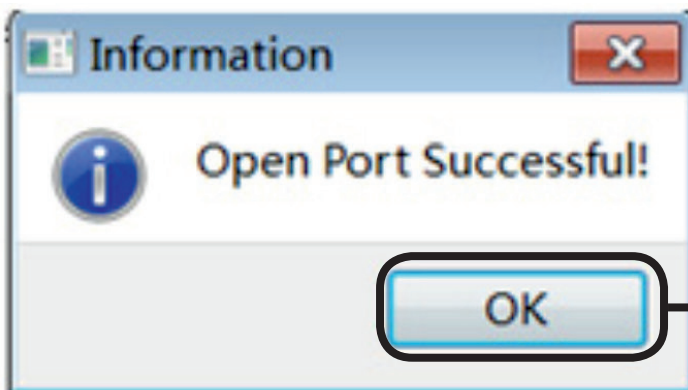
Insertar el número de puerto del ordenador
Si es COM3, insertar el número de puerto 3

Presionar "ACEPTAR" para completar
la configuración y "Cancelar" para salir
de la configuración

4. Introducir el número de puerto en el cuadro de diálogo. Por ejemplo, si es COM3 insertar n° "3". Pulsar "ACEPTAR" y emergerá un nuevo cuadro de diálogo indicando que el puerto de serie está abierto. Pulsar "ACEPTAR" y después de 3s emergerá un nuevo cuadro de diálogo mostrando que el puerto de serie se ha abierto satisfactoriamente. Pulsar "ACEPTAR" para completar la configuración de puerto.

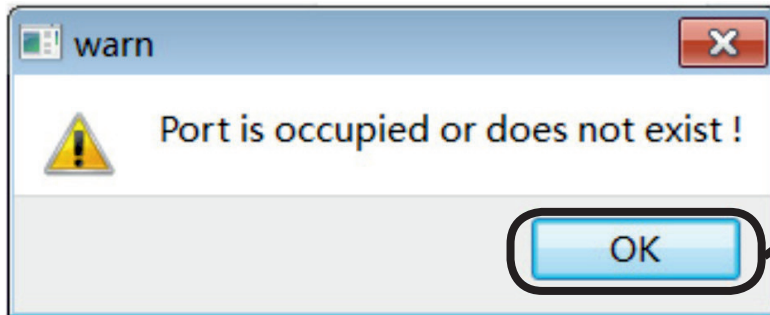


Pulsar "ACEPTAR". Después de que
desaparezca la ventana, espere.



Pulsar "ACEPTAR". Una vez que
desaparezca la ventana, continúe
con la operación.

5. Si la configuración de puerto es errónea, emergerá una advertencia indicando que el 'Puerto está ocupado o no existe'. Por favor, configúrelo de nuevo.



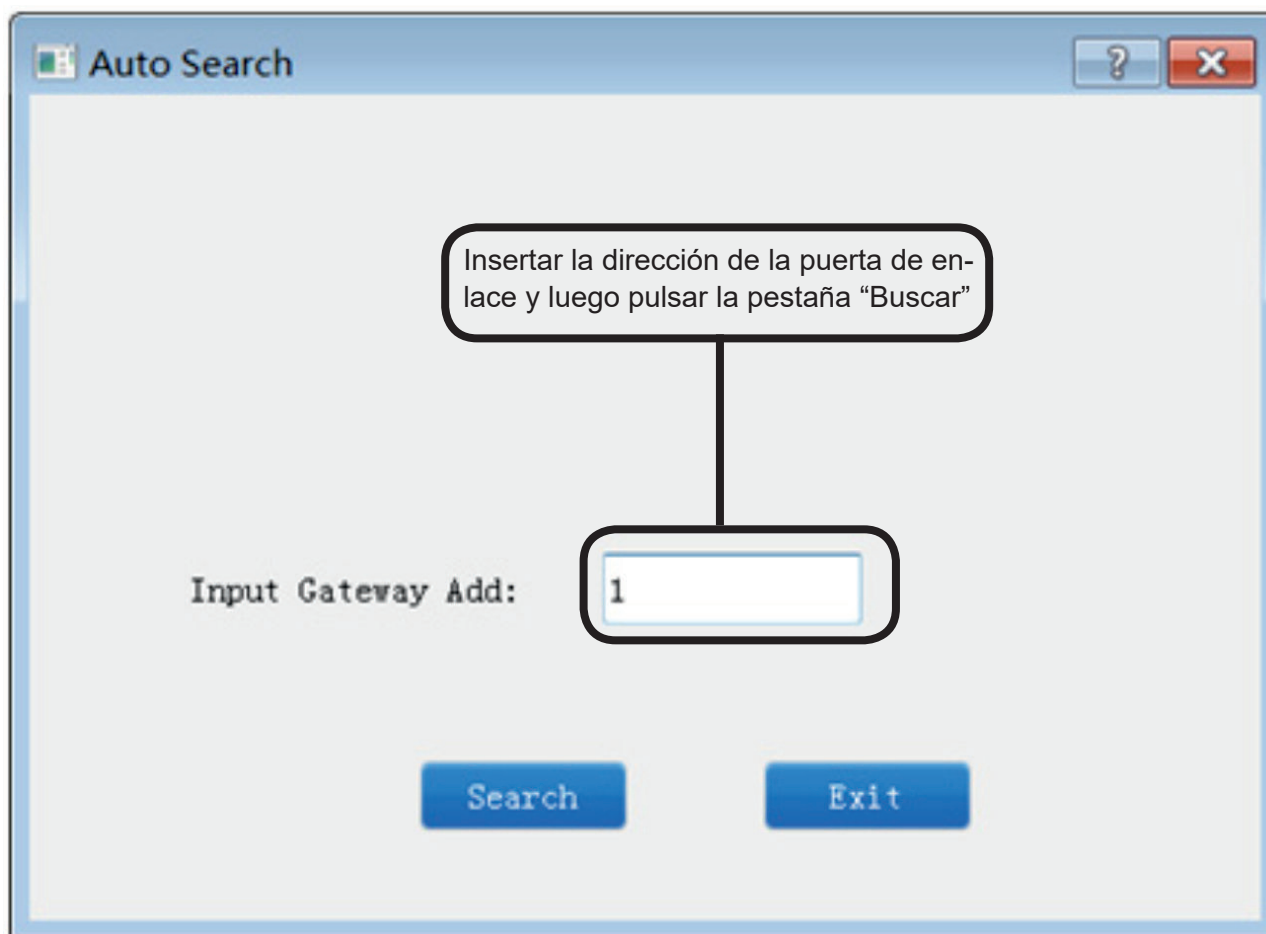
Pulsar "ACEPTAR" para restablecer el puerto. Primero, compruebe que el n° de puerto sea el correcto. Por favor, reinicie el ordenador al usar la herramienta de puerto de serie por primera vez.

Añadir/eliminar dispositivos

1. Añadir dispositivo mediante búsqueda automática

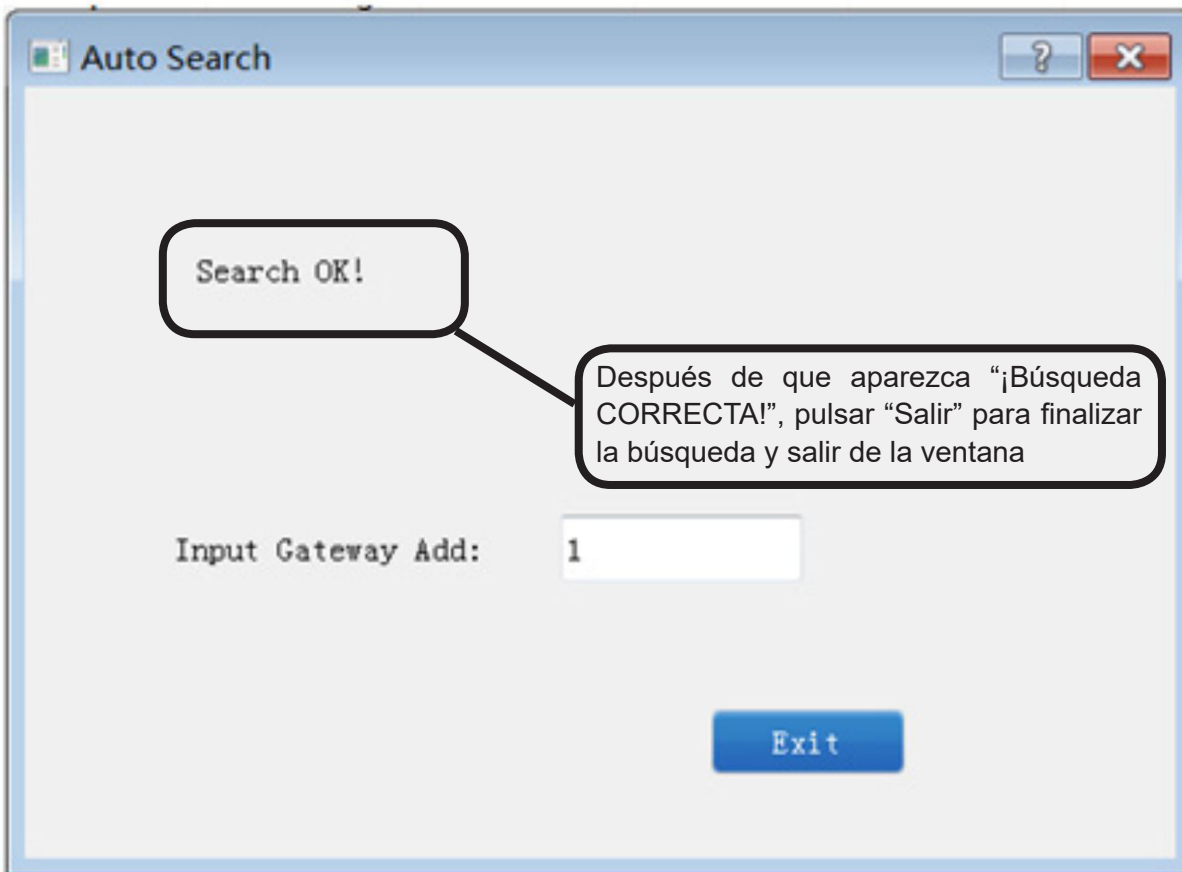
(a) Pulsar la pestaña "Búsqueda automática".



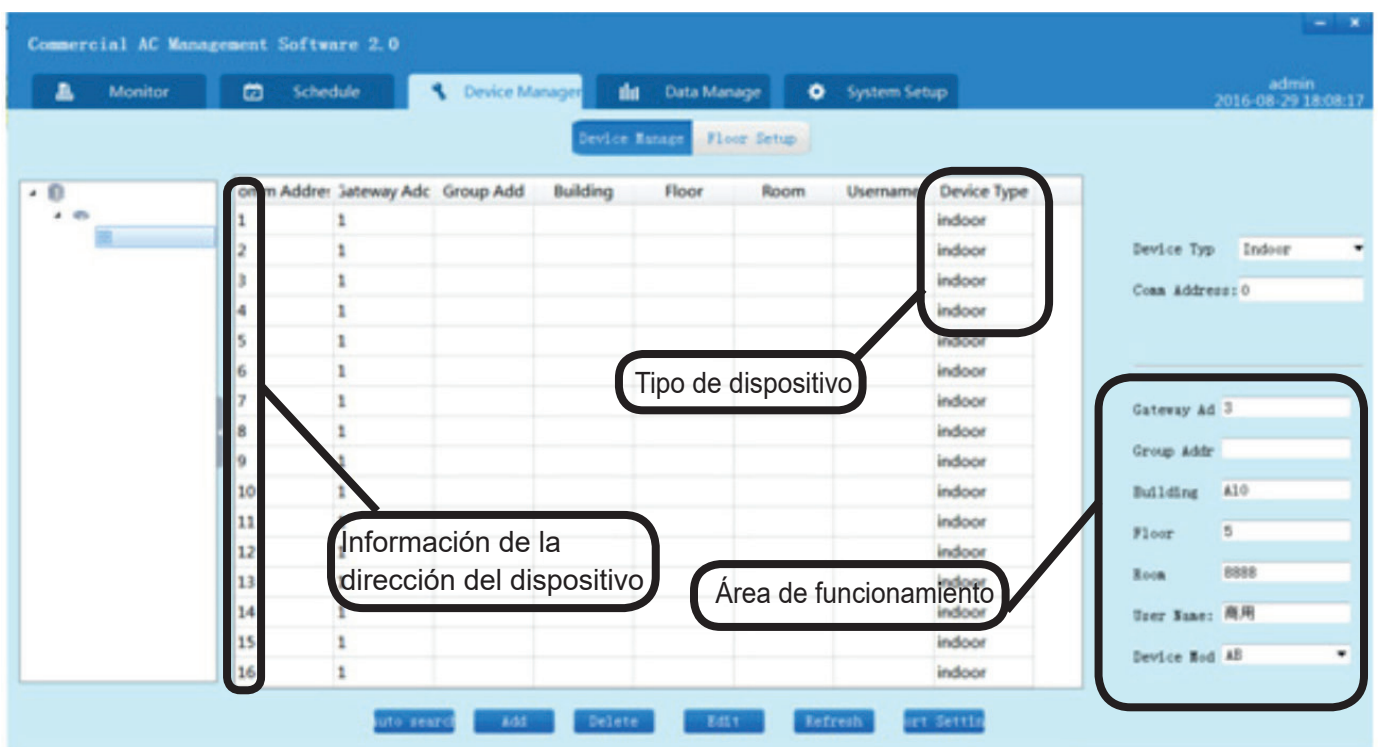


(b) Inversor de entrada de datos—Insertar la dirección de la puerta de enlace (desde 0 a 31) en el cuadro de diálogo emergente y luego pulsar “Buscar”.

Después de finalizar la búsqueda, emergerá la indicación “¡Búsqueda CORRECTA!”. Pulsar “Salir” para cerrar el cuadro de diálogo.



(c) La información sobre unidad interior buscada mostrada en la lista de administración de dispositivos es: Dirección común, dirección de puerta de enlace y tipo de dispositivo. Añadir otra información desde la lista en la parte derecha de la página.



(d) Añadir información de unidad interior.

Pulsar en la unidad interior a la que se requiere añadir información desde la lista de dispositivos.



Device Typ Indoor

Comm Address: 1

Gateway Ad 1

Group Addr 0

Building A10

Floor 5

Room 511

User Name: TEST

Device Mod AE

Al añadir un dispositivo nuevo manualmente, indique el modelo/dirección interior/dirección de puerta de enlace Ud. mismo. Mientras cambia la información del dispositivo existente, no puede cambiar la dirección interior y la dirección de puerta de enlace.

Si se muestra vacante o un 0, indica que esta es una dirección de unidad interior maestra en control de grupo por cable, mientras que 1-15 son direcciones esclavas. No puede controlar las unidades de interior esclavas.

Ubicación de AC definida por el usuario

Nombre AC definido por el usuario

Modelo de unidad interior (ducto, mural, cassette, convertible)

Añadir información de unidad interior:

Dirección de grupo: cuando usa el controlador por cable para controlar más de una unidad interior, la dirección maestra es 0 y las direcciones esclavas van de 1 a 15.

Edificio: El edificio en el que se instala la unidad interior.

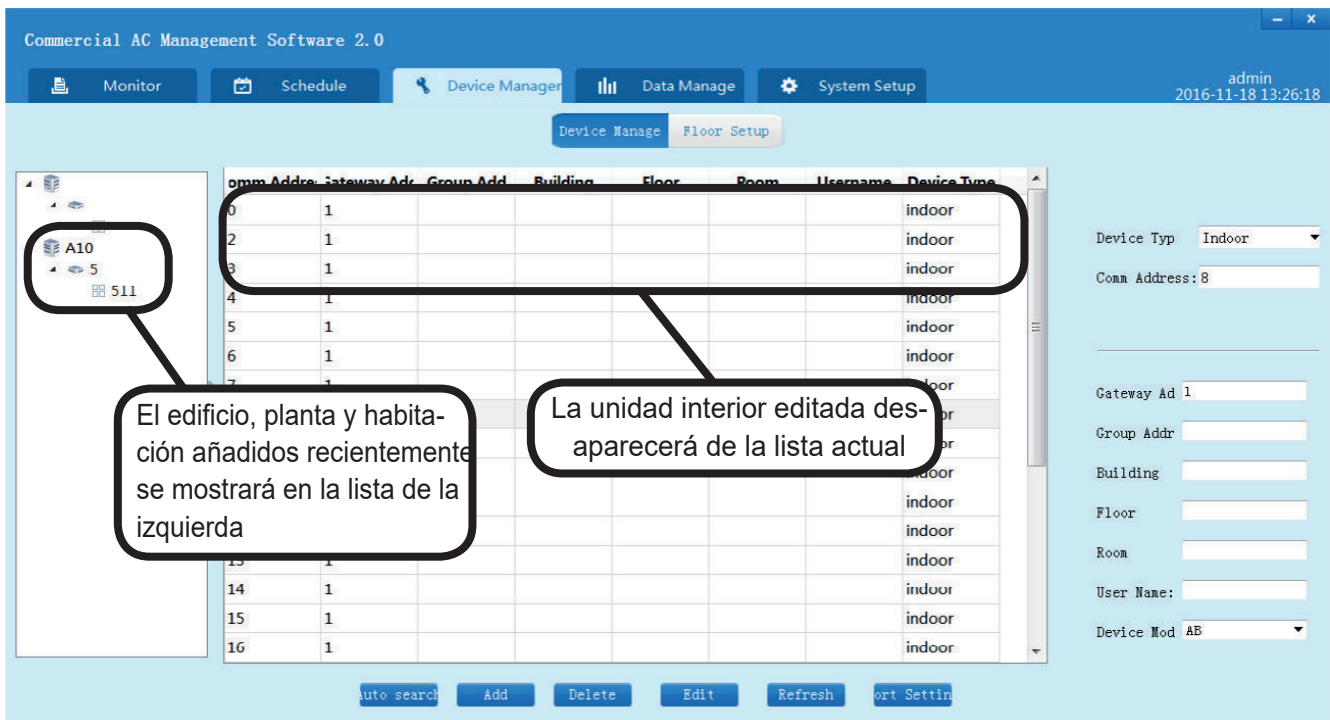
Planta: La planta específica en la que se instala la unidad interior.

Habitación: En qué habitación se instala la unidad interior.

Nombre de usuario: el usuario de la unidad interior.

Modelo: modelo de unidad interior: AB: Cassette; AC: Convertible; AD: ducto; AS: Mural

(E) Pulsar "Editar" para finalizar el añadido de información. Se actualizará la información sobre la unidad interior en la lista de unidades de interior. La información sobre el relevante edificio, planta y habitación aparecerá en la parte izquierda de la pantalla.



Commercial AC Management Software 2.0

Monitor Schedule Device Manager Data Manage System Setup

admin 2016-11-18 13:26:18

Device Manage Floor Setup

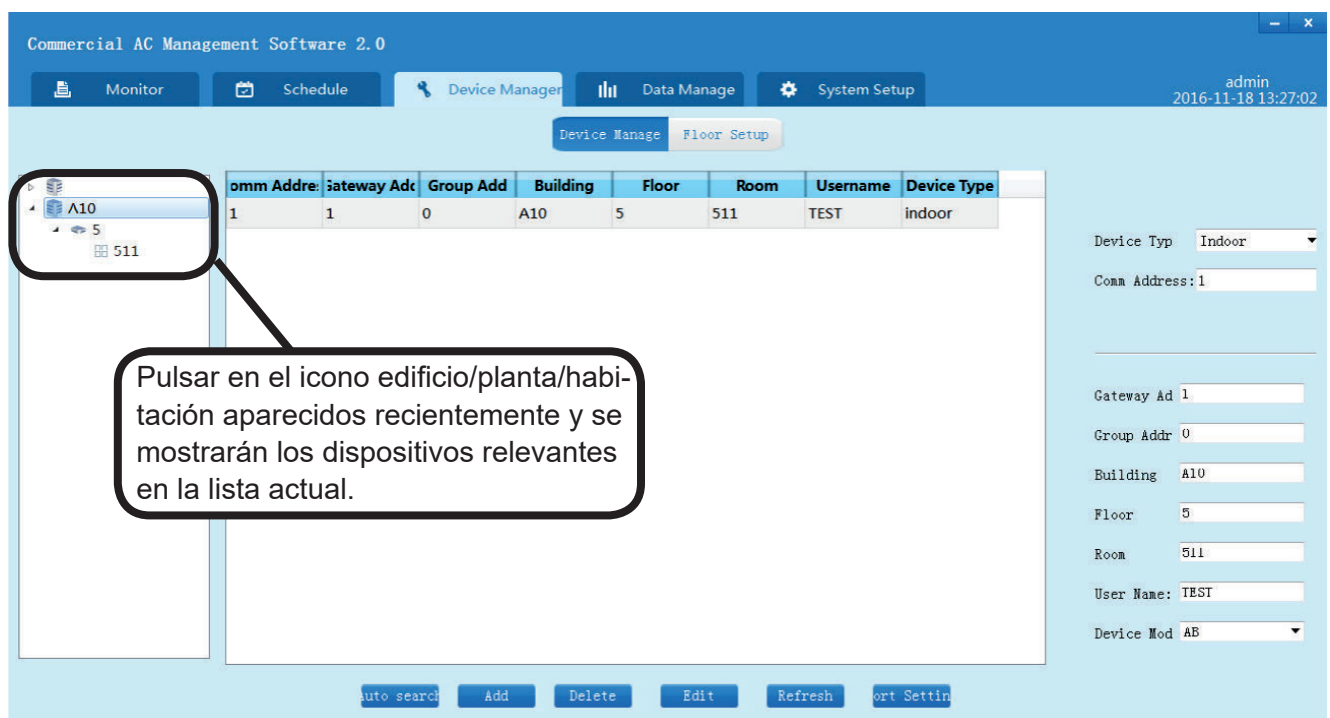
Conn Adr	Gateway Adr	Group Adr	Building	Floor	Room	Username	Device Type
0	1						indoor
2	1						indoor
3	1						indoor
4	1						indoor
5	1						indoor
6	1						indoor
7	1						indoor
13	1						indoor
14	1						indoor
15	1						indoor
16	1						indoor

El edificio, planta y habitación añadidos recientemente se mostrará en la lista de la izquierda

La unidad interior editada desaparecerá de la lista actual

Device Type: Indoor
Conn Address: 8
Gateway Ad: 1
Group Adr:
Building:
Floor:
Room:
User Name:
Device Mod: AB

auto search Add Delete Edit Refresh Sort Setting



Commercial AC Management Software 2.0

Monitor Schedule Device Manager Data Manage System Setup

admin 2016-11-18 13:27:02

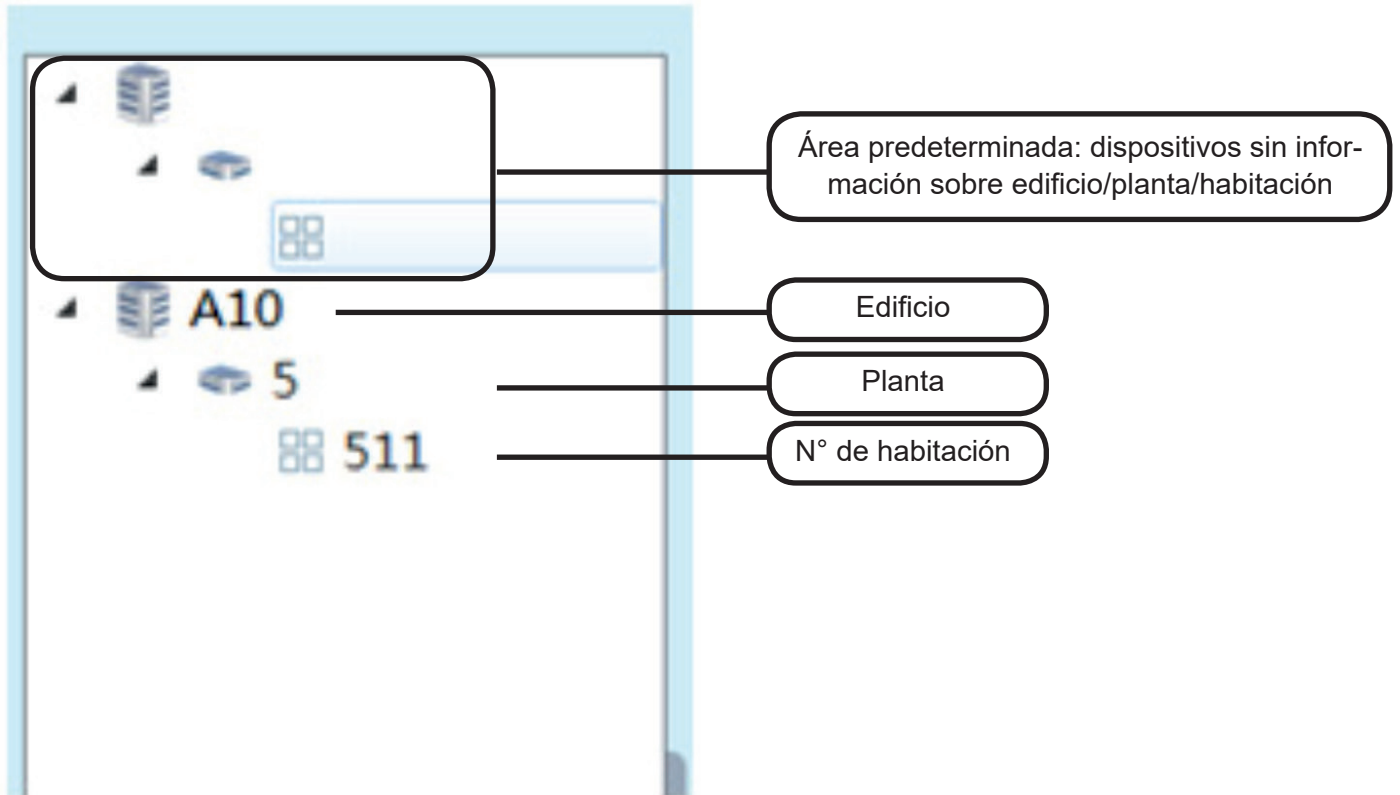
Device Manage Floor Setup

Conn Adr	Gateway Adr	Group Adr	Building	Floor	Room	Username	Device Type
1	1	0	A10	5	511	TEST	indoor

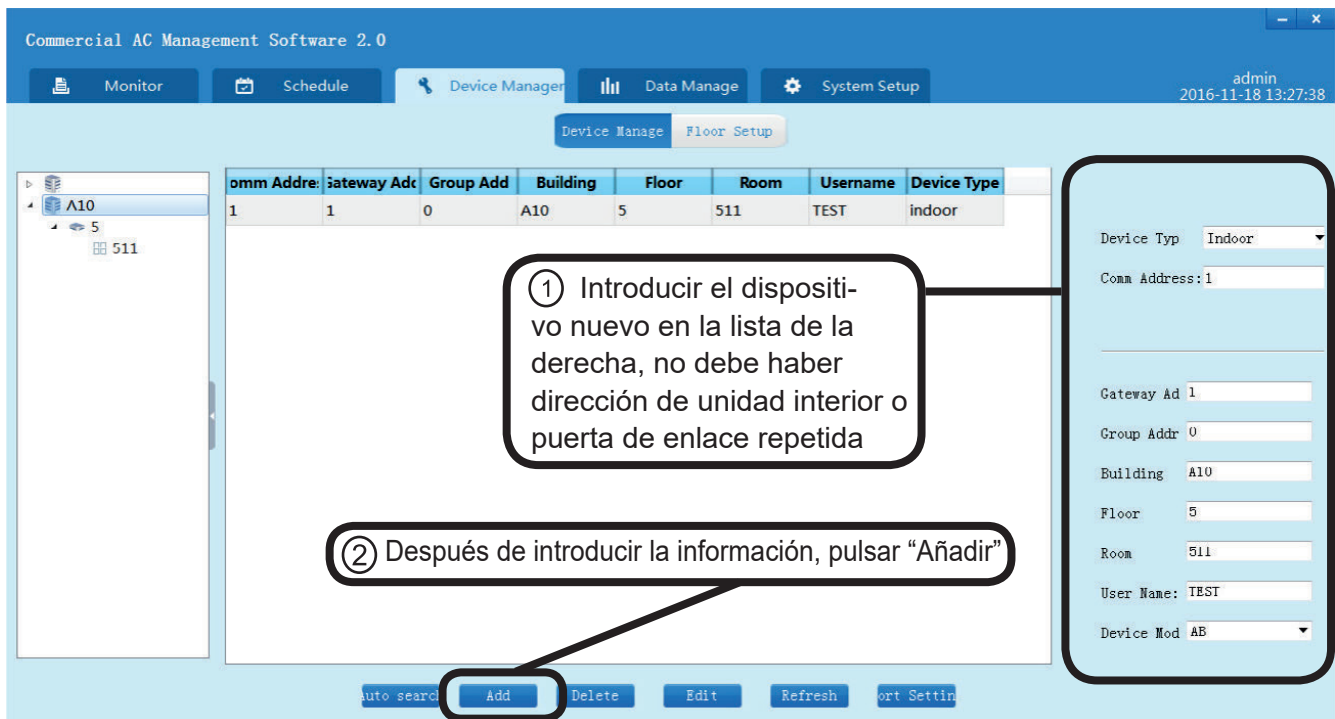
Pulsar en el icono edificio/planta/habitación aparecidos recientemente y se mostrarán los dispositivos relevantes en la lista actual.

Device Type: Indoor
Conn Address: 1
Gateway Ad: 1
Group Adr: 0
Building: A10
Floor: 5
Room: 511
User Name: TEST
Device Mod: AB

auto search Add Delete Edit Refresh Sort Setting

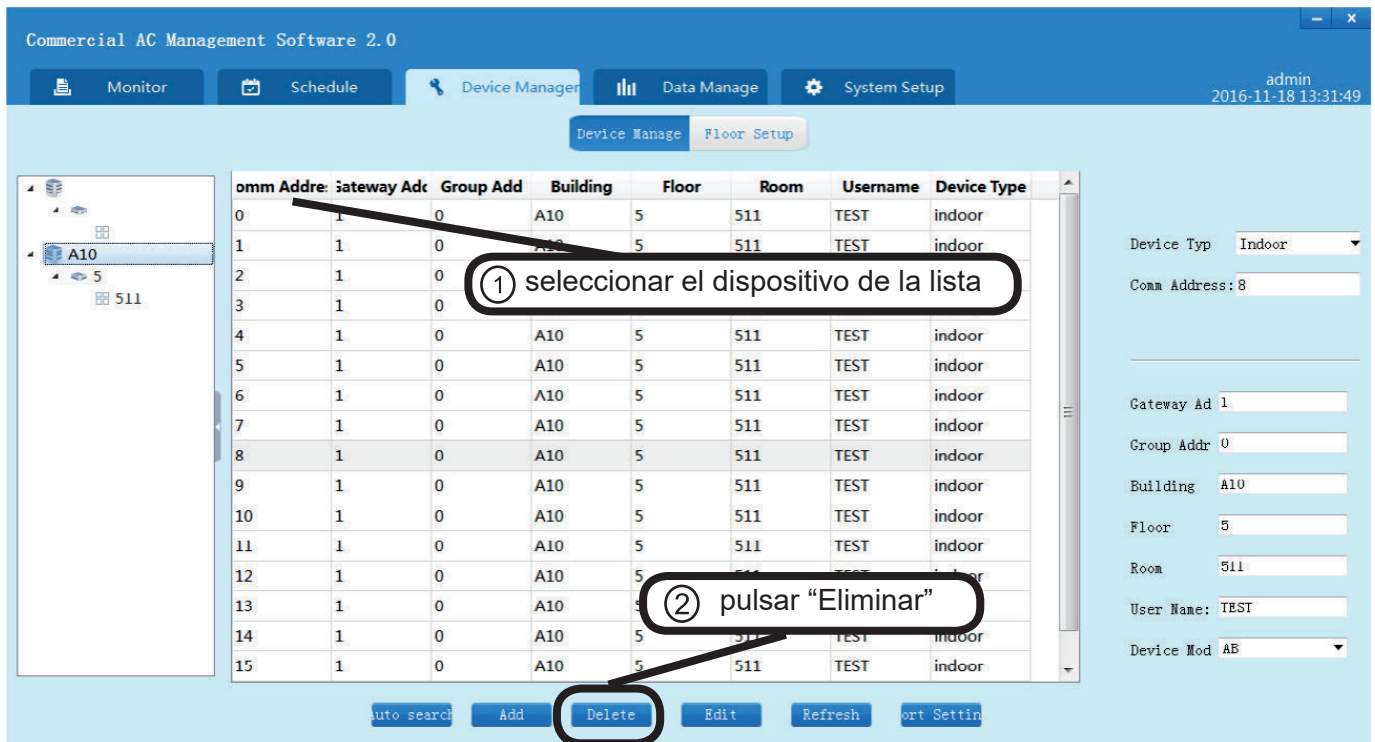


2. Añadir manualmente



- Añadir la información de unidad interior en la lista de la derecha, y asegurarse de no poner direcciones de unidad interior o puerta de enlace repetidas.
- Pulsar “Añadir” para finalizar el añadido.
- Después de añadir, se mostrará la información añadida de unidad interior en la lista. Reiniciar el software para confirmar la configuración.

3. Eliminar dispositivos



- Seleccionar el dispositivo que se quiere eliminar de la lista.
- Pulsar "Eliminar" para finalizar la eliminación.

Monitorización de dispositivo

Después de añadir el dispositivo, pulsar en "Monitorizar" para monitorizar la unidad interior.



Lista de planta y habitación

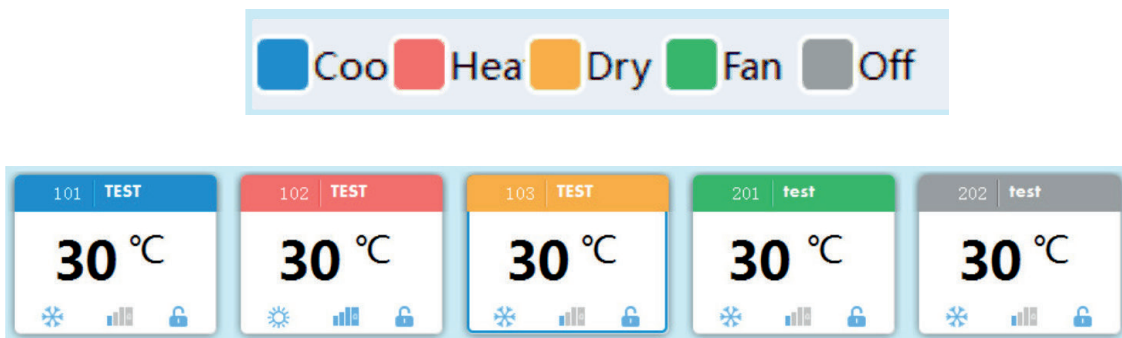
Parámetro de funcionamiento de unidad interior

1. Estado de funcionamiento de las unidades de interior

Cada icono muestra el estado actual de la unidad interior, tal como se muestra en la imagen siguiente:



(a) Los diferentes colores muestran modos diferentes



Los estados y modos de arriba son: refrigeración, calefacción, en seco, ventilador, apagado.

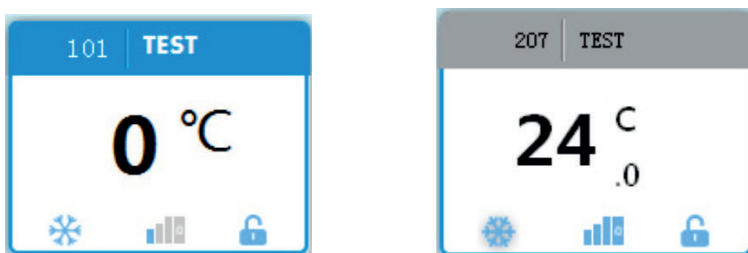
(b) Pulsar en la ventana de unidad interior para seleccionar 'interior'.

Después de la selección, el reborde de la ventana se mostrará con una línea resaltada.

Interior no seleccionada (en modo ON), Interior no seleccionada (en modo OFF).



Interior seleccionada (en modo ON), Interior seleccionada (en modo OFF).



2. Estado detallado de la unidad interior

Encender la unidad, luego configurar la función



The screenshot shows the Carrier indoor unit control interface. At the top, it displays runtime statistics: 'CurrentRunTime : 0 day0 hour0 min' and 'TotalRunTime : 0 day0 hour0 min', followed by the instruction 'Pls first turn on unit, then set function.!' Below this is a large display showing a green ceiling vent icon and the number '16'. A power button is visible below the display. Underneath, the current temperature is shown as 'Temperature: 16' with a slider and a 'Set' button. A row of four function icons (snowflake, sun, water drop, fan) is present, with the snowflake icon selected. Below the function icons are four bar charts representing different data series. At the bottom, there are two tabs: 'Property' (selected) and 'Status'. The 'Property' tab lists several system parameters: Gateway Addr:, Central Addr:, Group Addr:, S-code:, TC2:, TC1:, HP:, EEV Opening:, and Error Code:.

Estadísticas de tiempo de funcionamiento

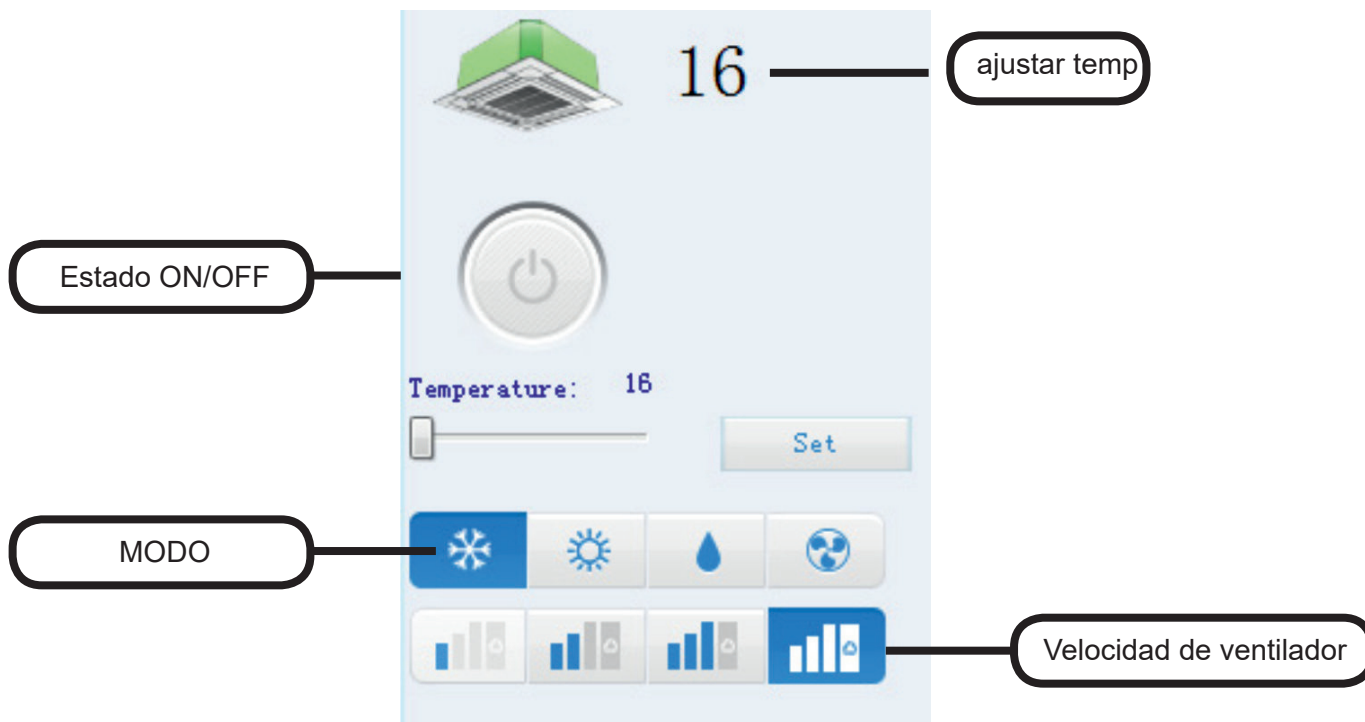
Interfaz de control

Propiedades y estatus

3. Control de unidad interior

(a) Control de unidad única

Después de seleccionar una unidad interior, puede ver toda la información de configuración de la unidad interior en la parte derecha, y operar el control de unidad interior desde aquí.

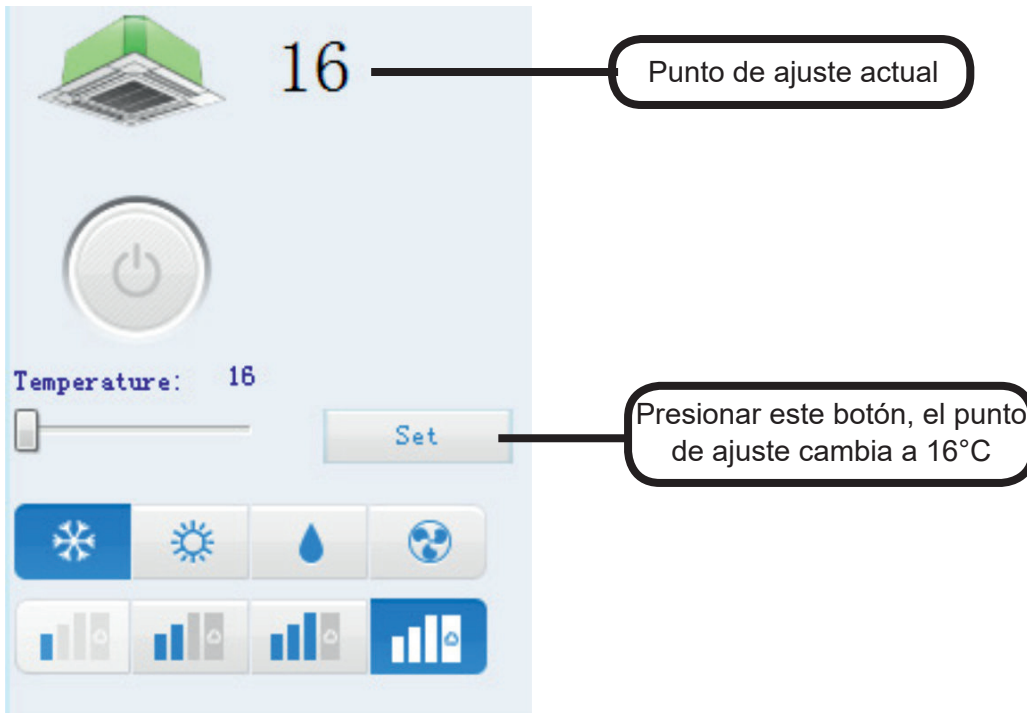


Una explicación detallada de cada botón.

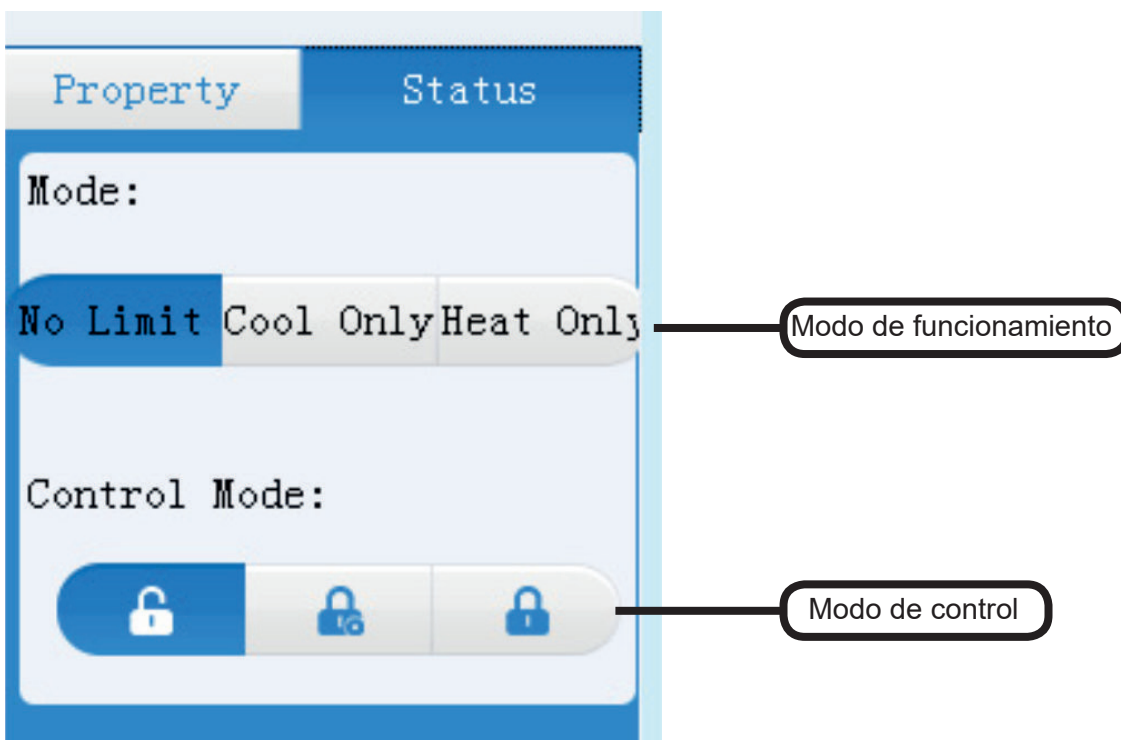
Botón	Explicación
	ON
	OFF
	REFRIGERACIÓN
	CALEFACCIÓN
	EN SECO
	VENTILADOR

Botón	Explicación
	BAJA
	MEDIA
	ALTA
	AUTO
	CONFIGURAR TEMPERATURA

Si el estatus de la unidad interior de debajo está en ENCENDIDO, la temperatura configurada es 24°C, refrigeración, baja velocidad. Presionar el botón 'Configurar' para cambiar el punto de ajuste a 16°C.



(b). Modo de funcionamiento/Modo de control
Muestra el modo de funcionamiento y el modo de control bajo la etiqueta "estatus"
Modo de funcionamiento: Sin limite, solo refrigeración, solo calefacción;
Modo de control: Último dentro primero fuera, control central, Bloquear;



Modo de funcionamiento:

Sin límite: Todos los modos de funcionamiento están disponibles

Sólo refrigeración: La unidad interior solo puede funcionar en modo refrigeración. No permite otro modo.

Sólo calefacción : La unidad interior solo puede funcionar en modo calefacción. No permite otro modo. Último dentro primero fuera : Ejecuta la última orden de entrada de datos independientemente de donde proceda.

40VCB117FQEE, controlador por cable o controlador remoto: por ejemplo, Inicialmente 40VCB117FQEE envía baja velocidad, luego el controlador por cable envía alta velocidad, finalmente la unidad empieza a funcionar a alta velocidad.

Control central : Solo disponible con 40VCB117FQEE. El controlador por cable o controlador remoto solo puede 'encender' o 'apagar' la unidad interior.

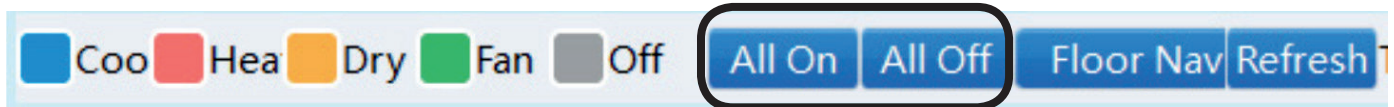
Bloquear : Todas las órdenes son enviadas por 40VCB117FQEE únicamente. El controlador por cable o controlador remoto solo puede mostrar el estado de funcionamiento.

(c) Control de múltiples unidades de interior: Para controlar varias unidades de interior, siga los pasos indicados a continuación:

- Mantener presionado el botón "Ctrl" y pulsar la unidad interior que desea controlar
- Presionar el botón ON/OFF para encender/apagar la unidad interior,
- Arrastrar el deslizador para configurar la temperatura
- Pulsar la velocidad de ventilador que desea configurar;
- Pulsar el modo de funcionamiento que desea configurar;

The screenshot shows the 'Commercial AC Management Software 2.0' interface. It features a grid of 15 indoor unit temperature control cards. The top row shows temperatures of 23°C, 24°C, 22°C, 24°C, and 22°C. The second and third rows show 22°C for all units. A callout box highlights the first two units in the top row with the text: "Mantener presionado el botón 'Ctrl' y pulsar la unidad interior que desea controlar". Another callout box points to a detailed control panel for one unit, showing a power button, a temperature slider set to 16, and various mode icons, with the text: "Esta área muestra las funciones de control disponibles, no el estatus de funcionamiento detallado de la actual unidad interior." The interface also includes a top navigation bar with 'Monitor', 'Schedule', 'Device Manager', 'Data Manage', and 'System Setup' tabs, and a bottom status bar with various control buttons like 'Cool', 'Heat', 'Dry', 'Fan', 'Off', 'All On', 'All Off', 'Floor Nav', 'Refresh', 'Total:1', and 'Jump to: Page Jump Select All'.

(d) Todas on/off



Presionar "Encender todas" para encender todas las unidades de interior

Presionar "Apagar todas" para apagar todas las unidades de interior


Configuración de planta

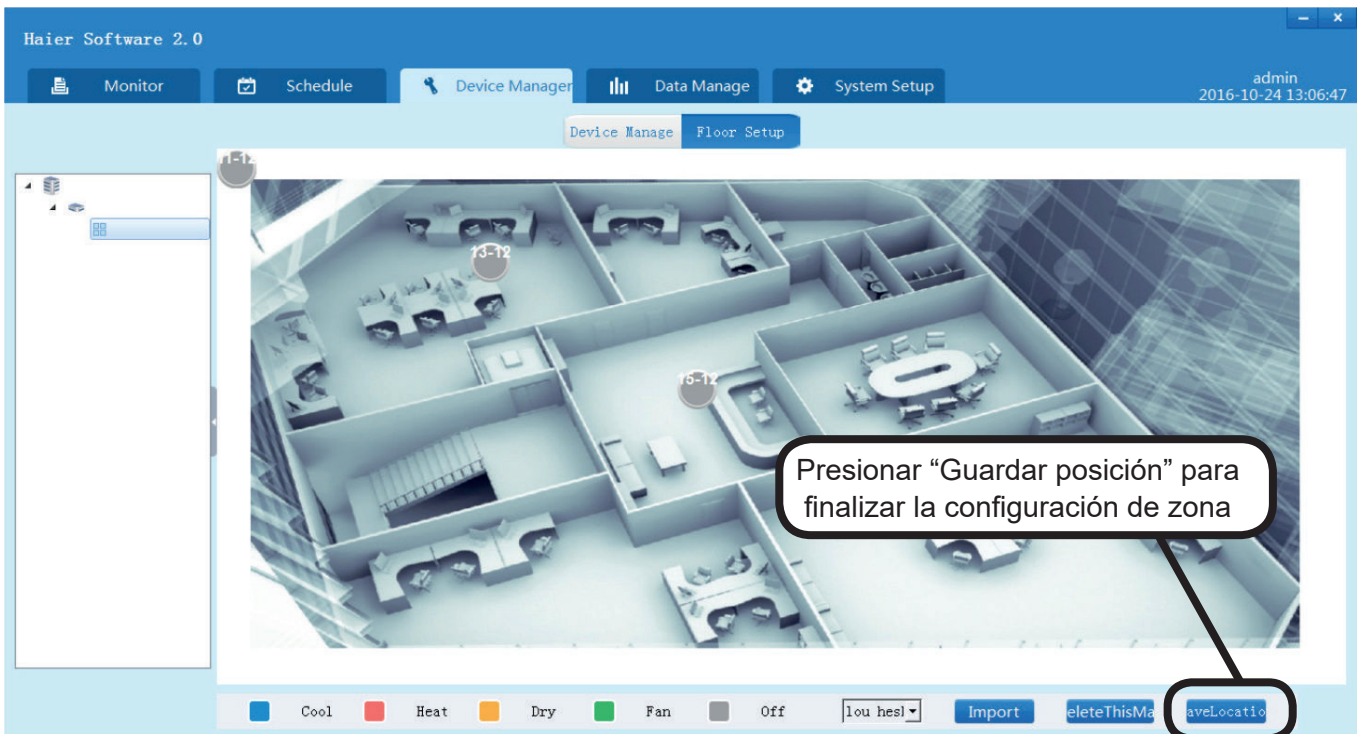
1. Configuración de zona



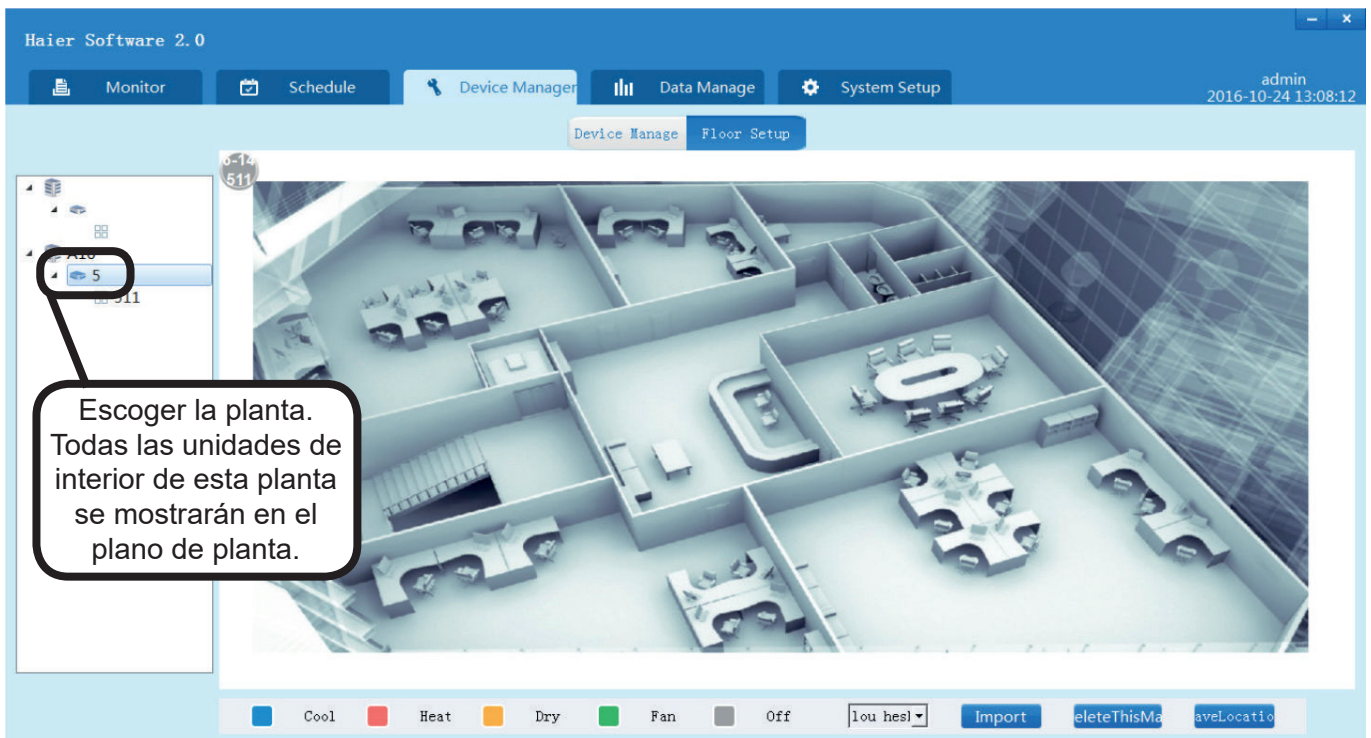
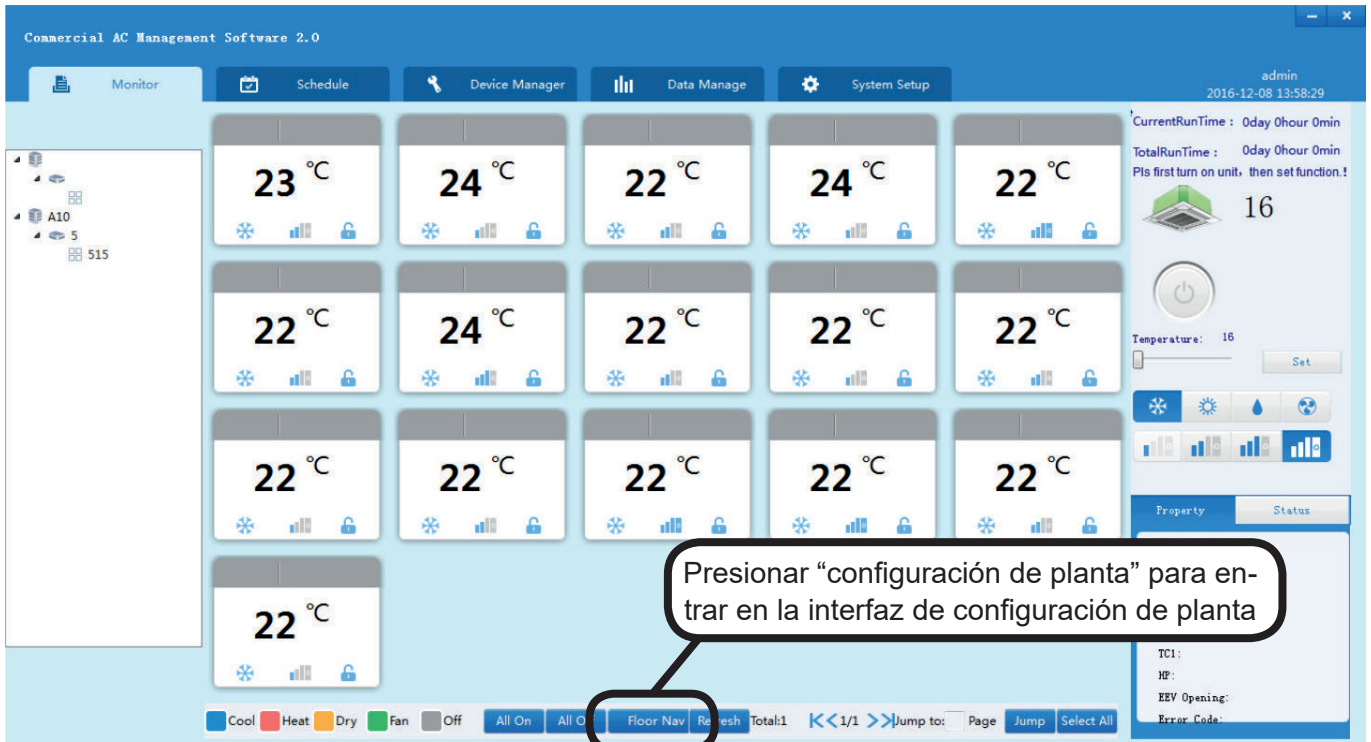
Español



 : 1-2 indica la unidad interior n°1 conectada a n°2 40VCBM17FQEE. 516 es el número de habitación.



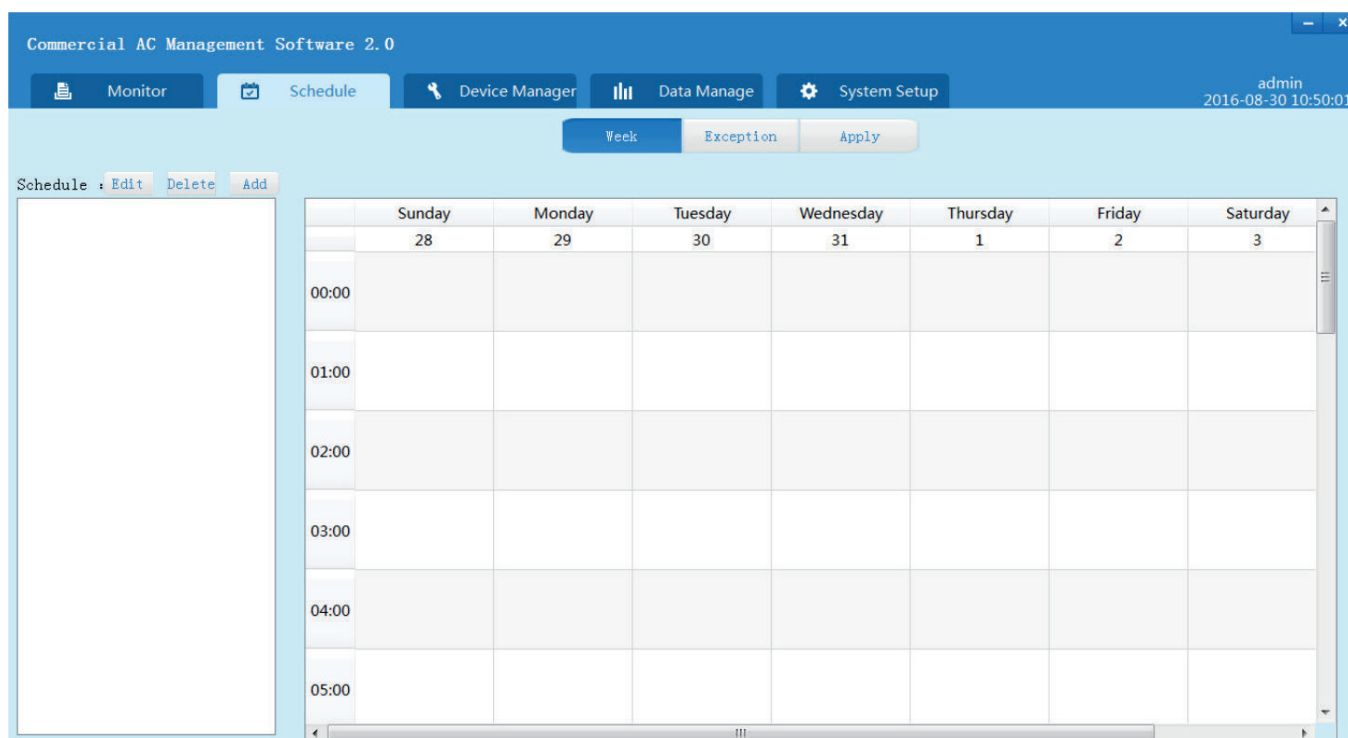
2. Configuración de planta



Observaciones: Puede usar diferentes planos de planta para diferentes plantas.

Configuración de programa

Presionar el botón “Programa” de la página principal para entrar en la configuración de programa

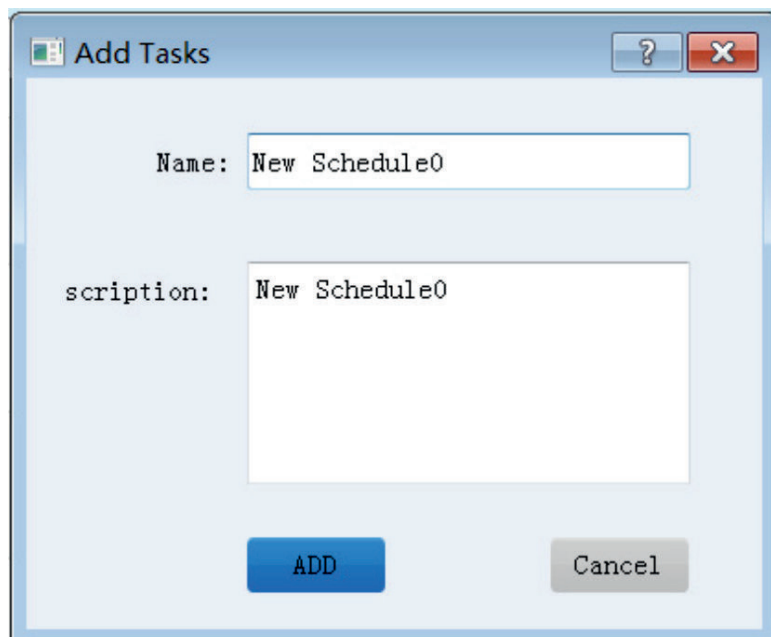


1. Programa semanal

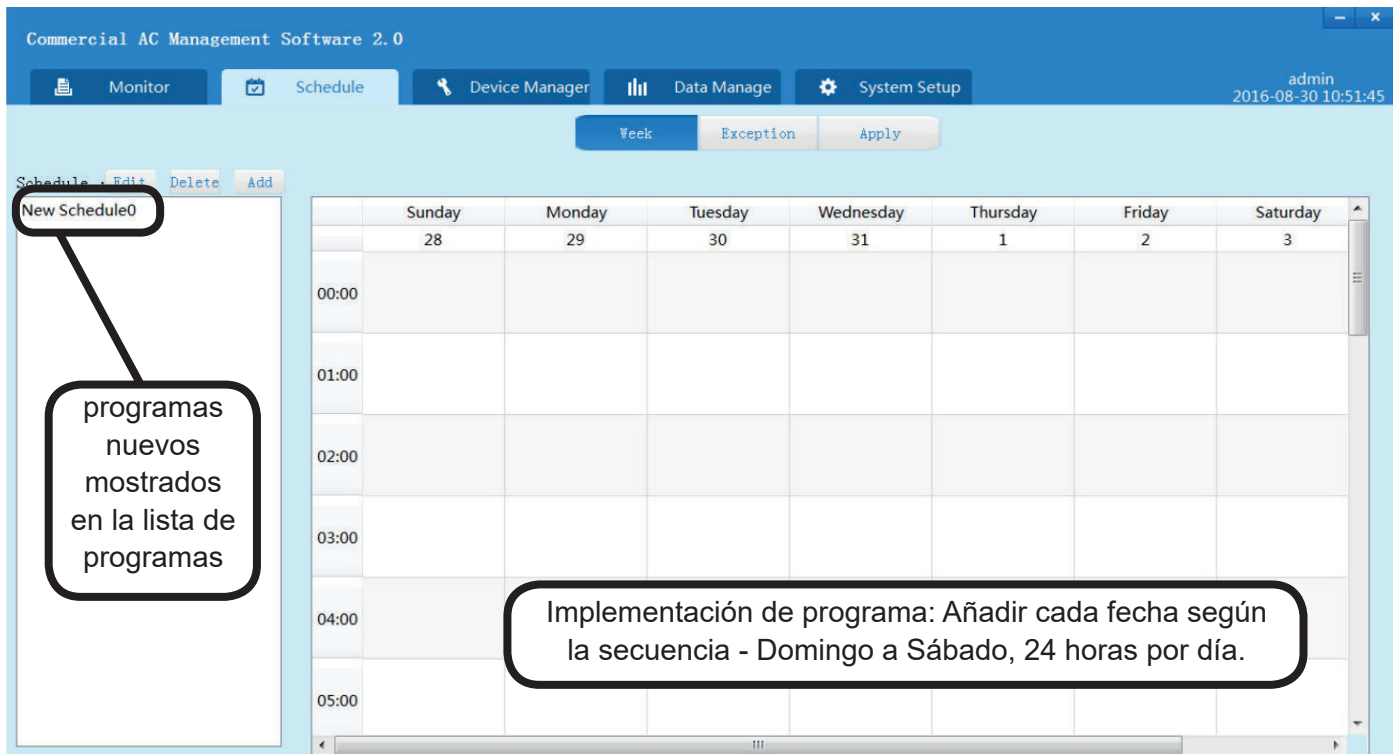
① Presionar “Añadir”



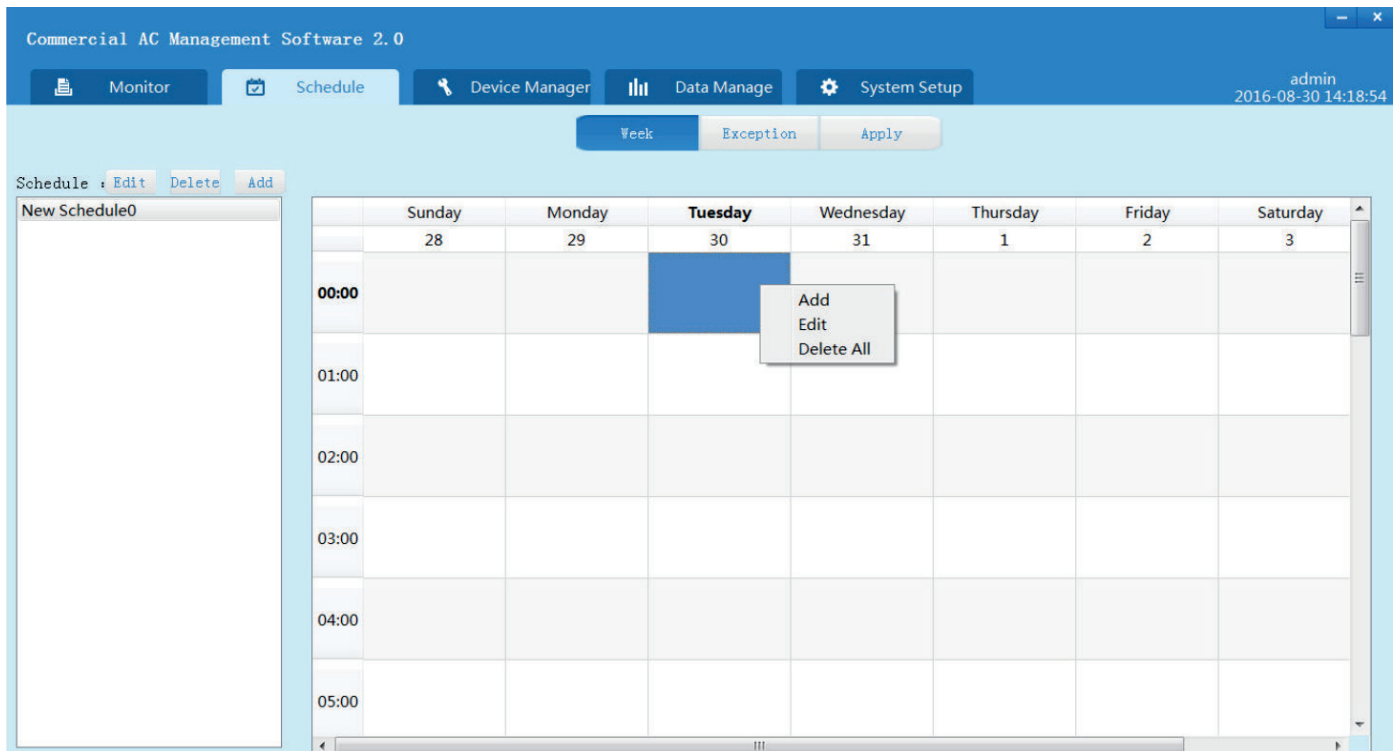
② Aparecerá un cuadro de diálogo emergente, insertar el nombre de programa, o detallar la descripción.



③ Presionar el botón “AÑADIR” para crear un nuevo programa;



④ En la sección “nuevo programa”, pulsar con el botón derecho “Implementación de área de programa”, aparecerá un menú emergente



⑤ Pulsar “Añadir” en el menú emergente

Day of Week: Tuesday
Time (24h): 0 : 0
Name: 111
Description: 6666
Power: ON Control Mode: LIFO
Fan Speed: Low Run Mode: Cool
Temperature: 20
Save cancel

Para el correspondiente tiempo predefinido, pulsar con el botón derecho el área, puede cambiarlo manualmente.

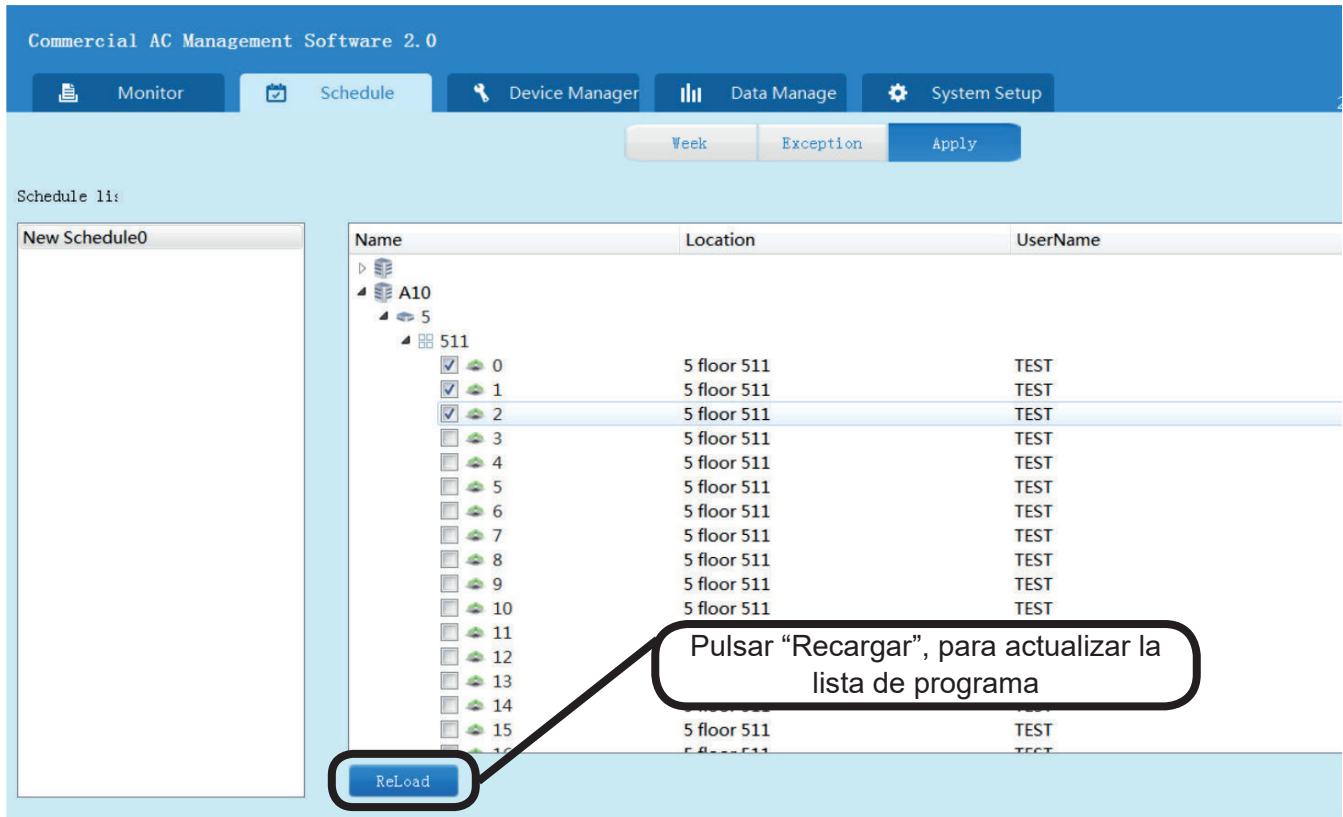
Para configurar el programado tiempo de ejecución de interruptores, modelo de control, temperatura, velocidad de ventilador, serie de modelo de funcionamiento, introducir un nombre y una descripción, configurarlo después de finalizar. Luego pulsar “guardar”.

	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
	28	29	30	31	1	2	3
00:00			'00:00','111'				
01:00							
02:00							
03:00							
04:00							
05:00							

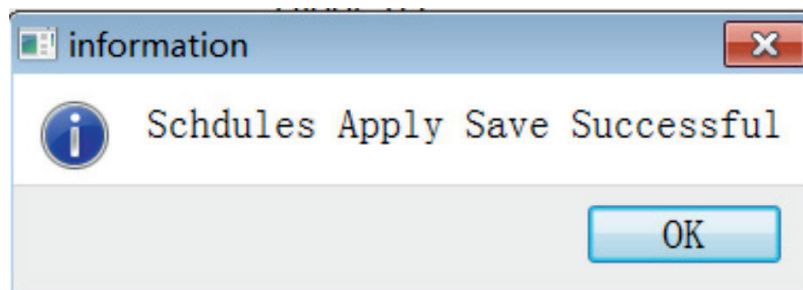
El programa recientemente añadido se mostrará en la correspondiente posición en la lista, incluido “08:00” como tiempo de ejecución de la acción, “XXXXX” tiene el nombre de programa

Después de volver a la interfaz de configuración de programa, verá que la correspondiente posición de tiempo muestra el tiempo y nombre de ejecución, configurándose así el nuevo programa. Repetir esta acción para añadir nuevos programas.

⑥ En la interfaz “Aplicar”, puede seleccionar ‘Programa’ desde la lista de programa de la parte izquierda y seleccionar la unidad interior de la lista del lado derecho.



Pulsar “Guardar” y aparecerá un cuadro de diálogo. Pulsar “ACEPTAR” y las unidades de interior seleccionadas ejecutarán el programa seleccionado. Desmarque la unidad interior y el botón guardar cancelará el programa.

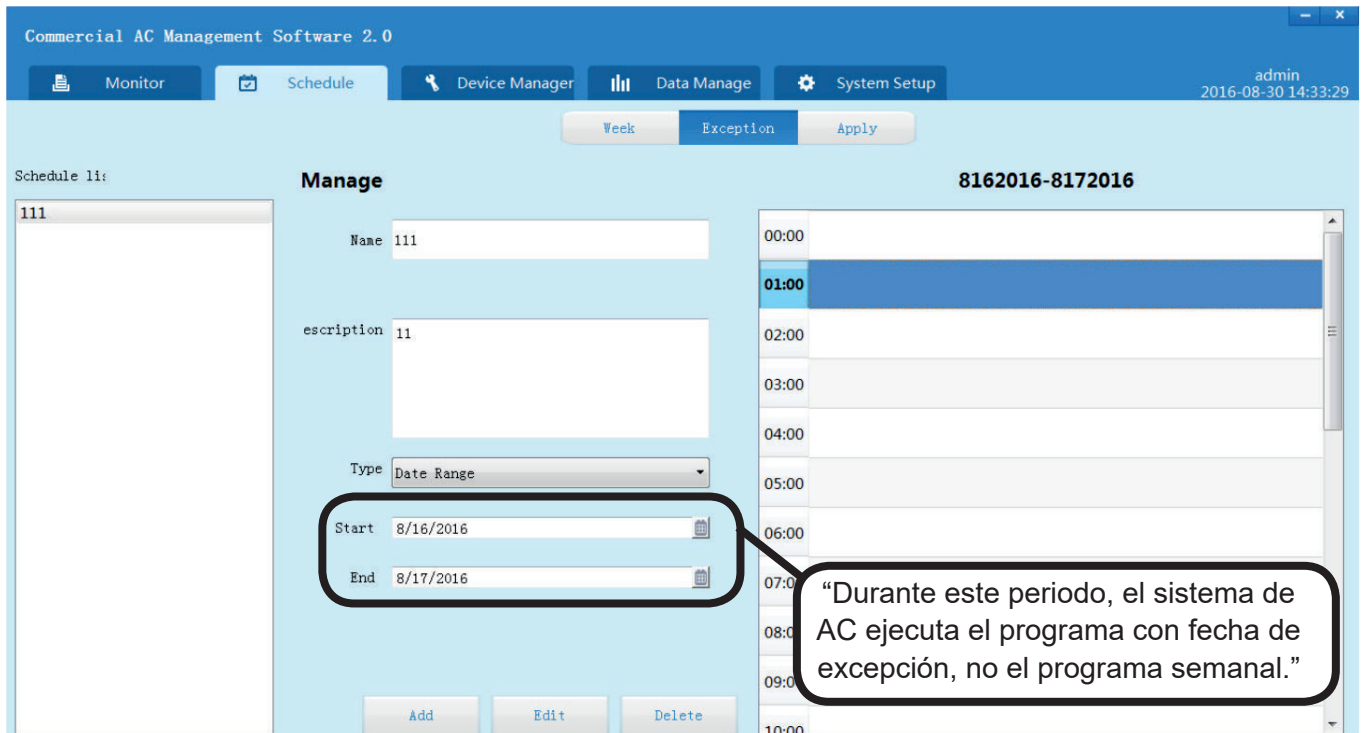


2. Fecha de excepción

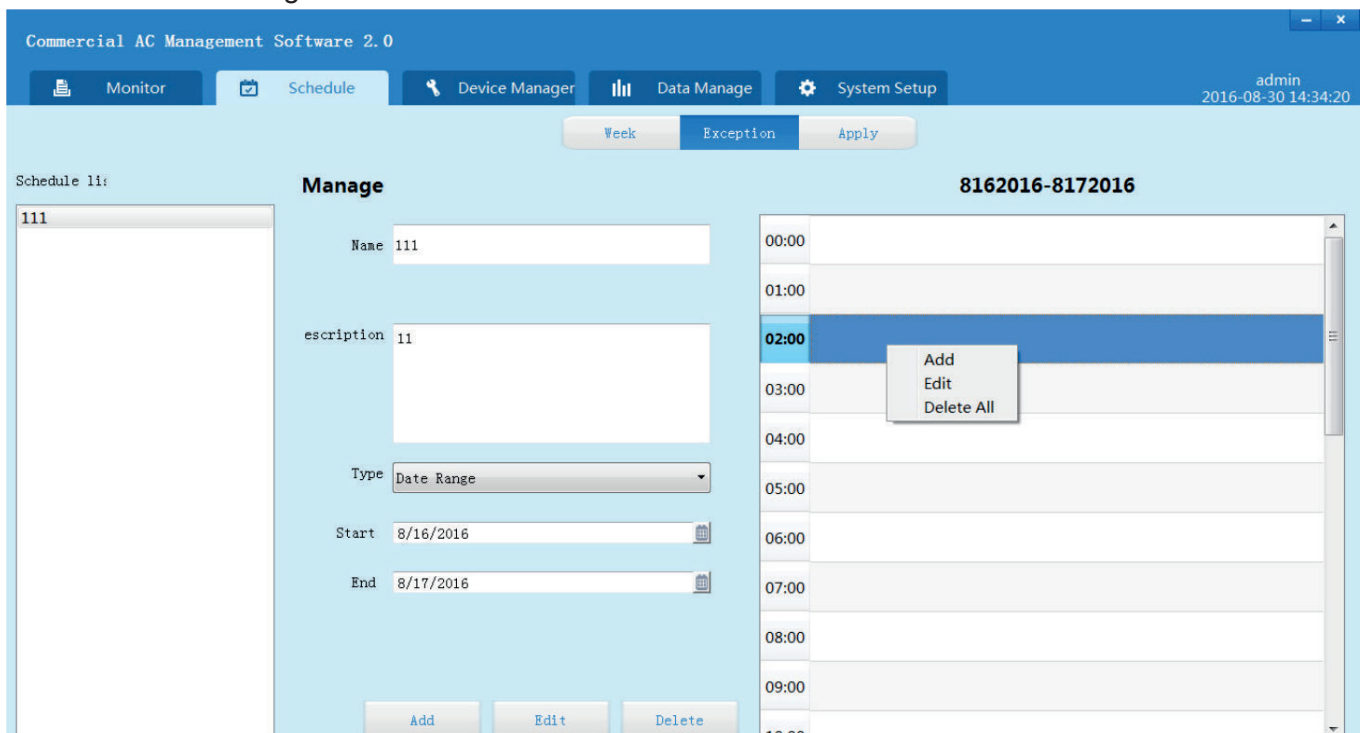
Programa con fecha de excepción significa que el sistema de AC ejecutará un programa especial que no sigue las pautas del programa semanal ya configurado.

Pasos:

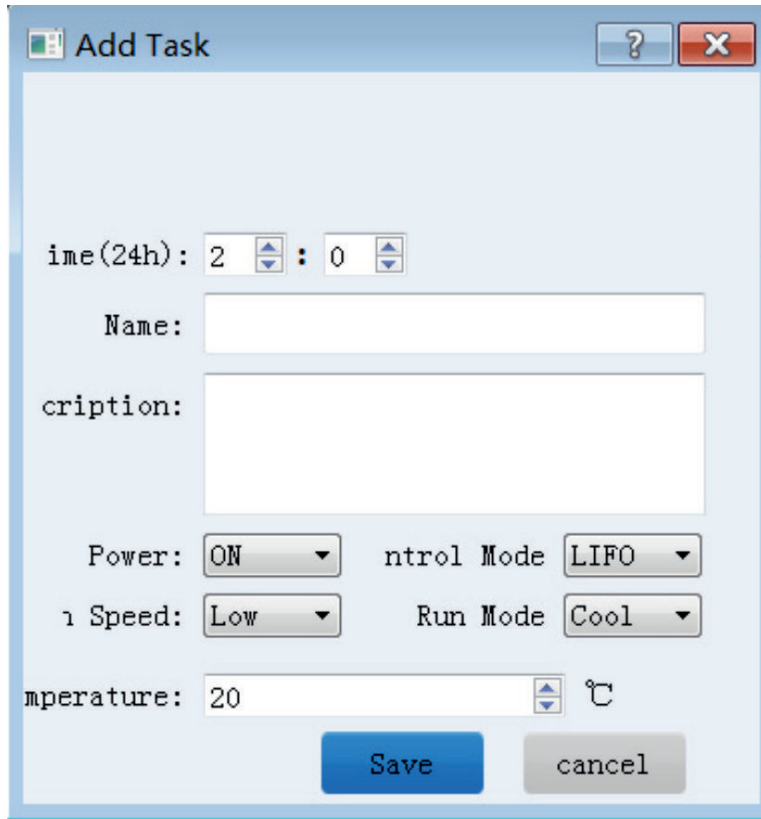
Pulsar el icono “Excepción”, introducir el nombre y la descripción y seleccionar el rango de tiempo de aplicación.



- 1 Pulsar “Añadir” para añadir el nuevo programa. Pulsar con el botón derecho la tabla horaria, emergerá un cuadro de diálogo.



② Pulsar “Añadir tarea”.



Time(24h): 2 : 0

Name:

Description:

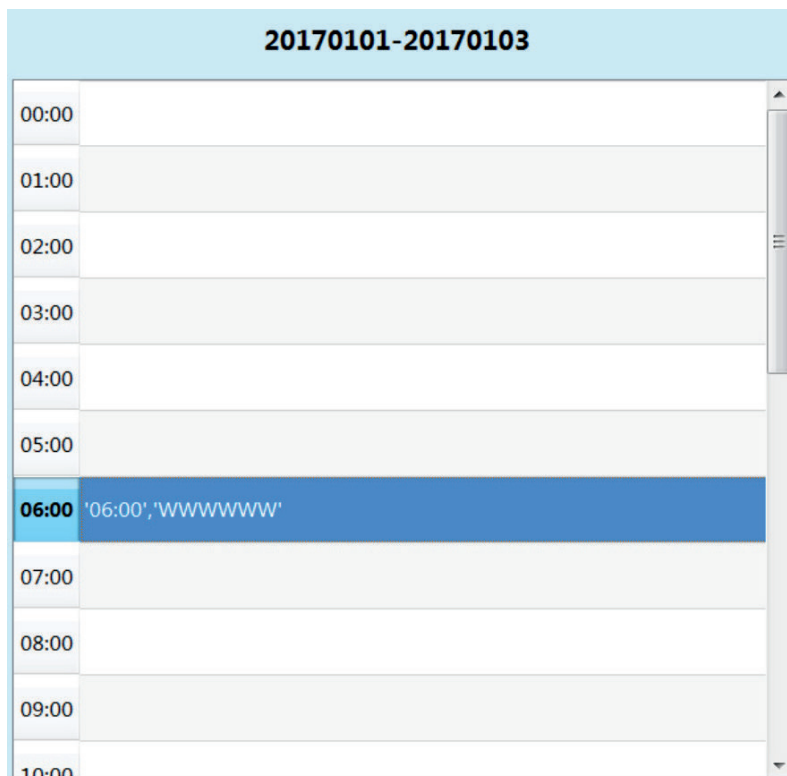
Power: ON Control Mode LIFO

Fan Speed: Low Run Mode Cool

Temperature: 20 °C

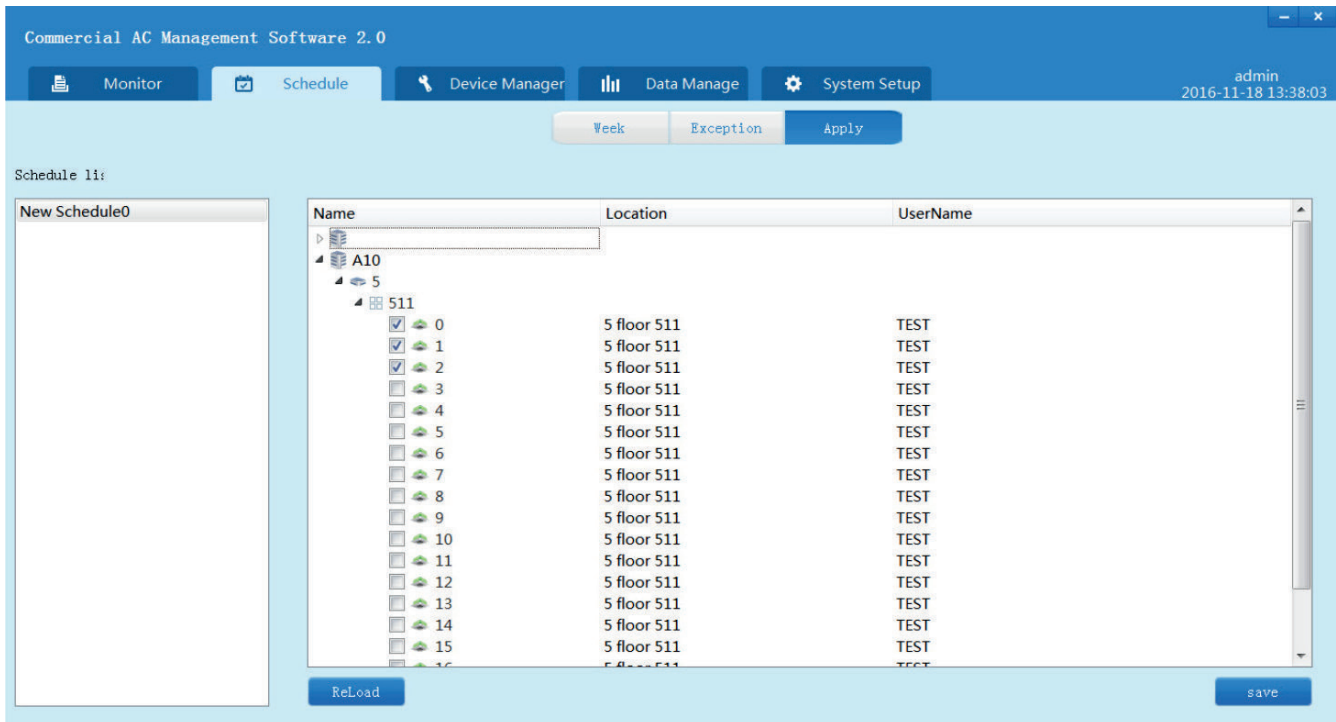
Save cancel

Configurar el tiempo de ejecución, Encendido/Apagado, modo de control, ventilador, modo de funcionamiento, temperatura y nombre y descripción de programa. Pulsar 'Guardar' para guardar el ajuste. Volver a la interfaz de configuración de programa. La correspondiente posición de tiempo se muestra en el nuevo programa. Repetir esta acción para añadir nuevos programas.

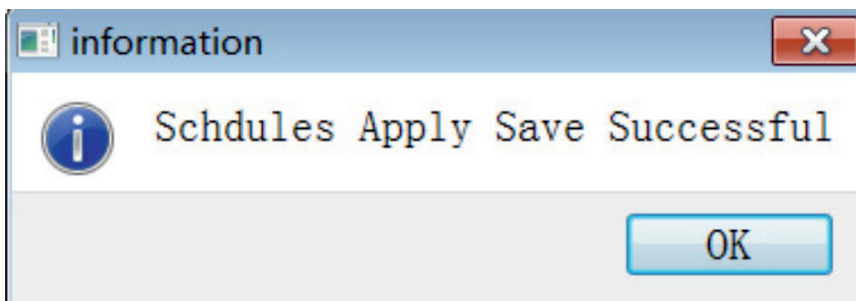


20170101-20170103	
00:00	
01:00	
02:00	
03:00	
04:00	
05:00	
06:00	'06:00', 'WWWWWWW'
07:00	
08:00	
09:00	
10:00	

- ③ En la interfaz “Aplicar”, puede seleccionar ‘Programa’ desde la lista de programa de la parte izquierda y seleccionar la unidad interior de la lista del lado derecho.



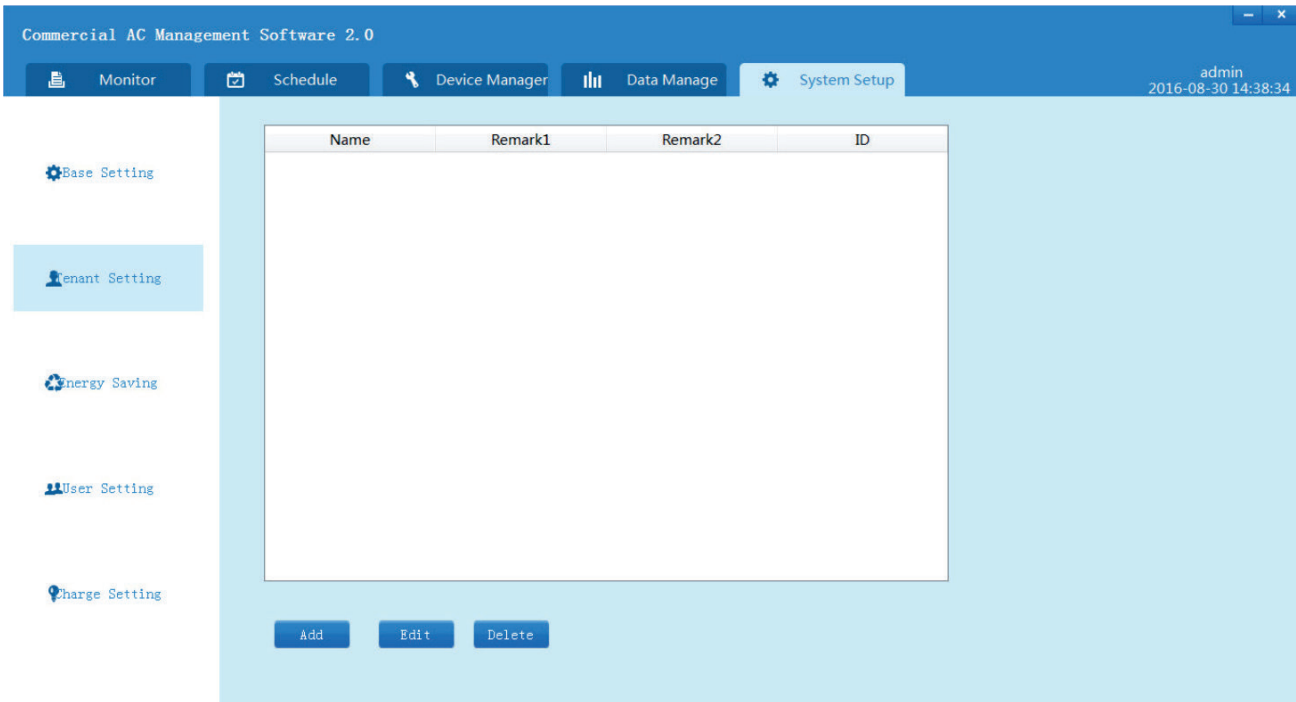
Pulsar “Guardar”, aparecerá un cuadro de diálogo. Pulsar “ACEPTAR” y las unidades de interior seleccionadas ejecutarán el programa seleccionado. Desmarque la unidad interior y el botón guardar cancelará el programa.



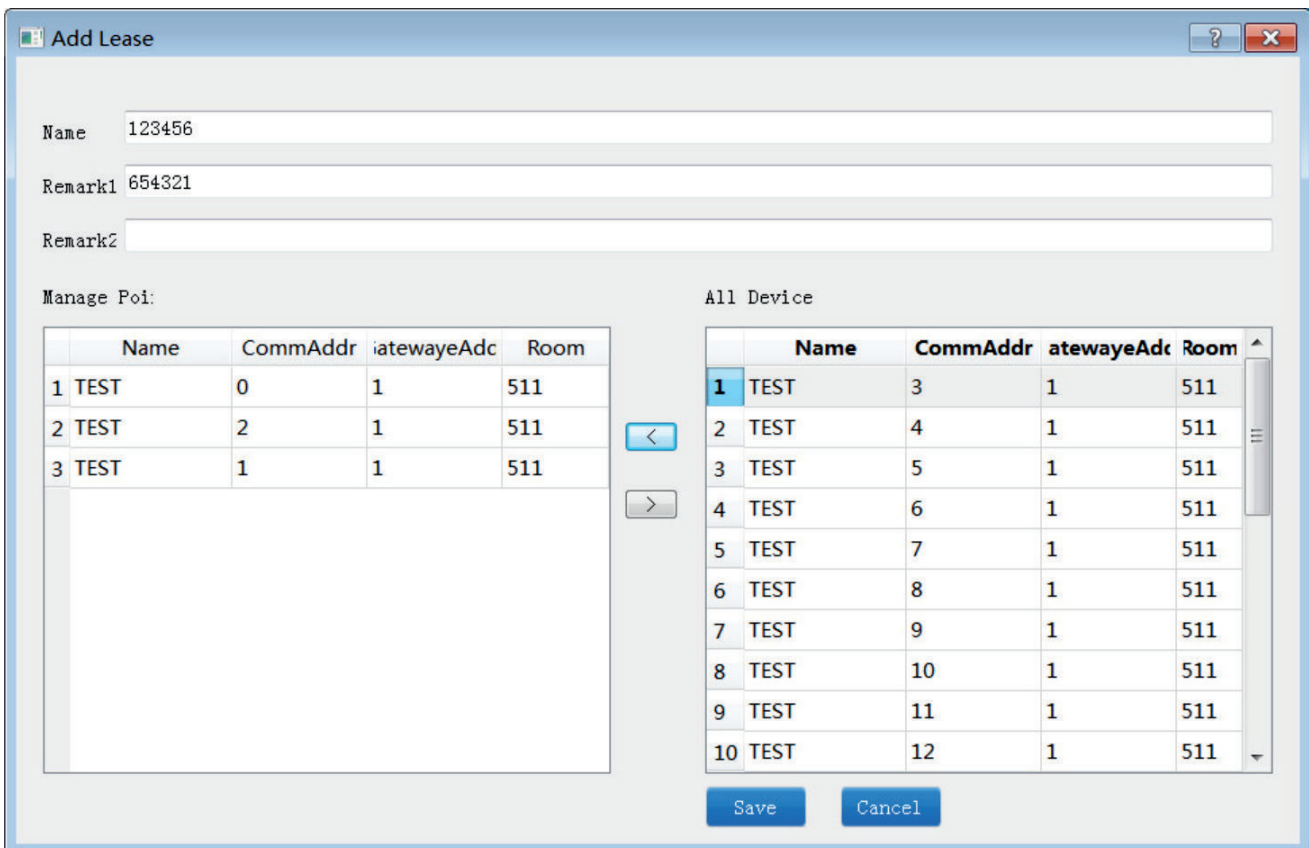
Gestión de datos

Antes de la gestión de datos se requiere la configuración de locatario y de la información de electricidad.

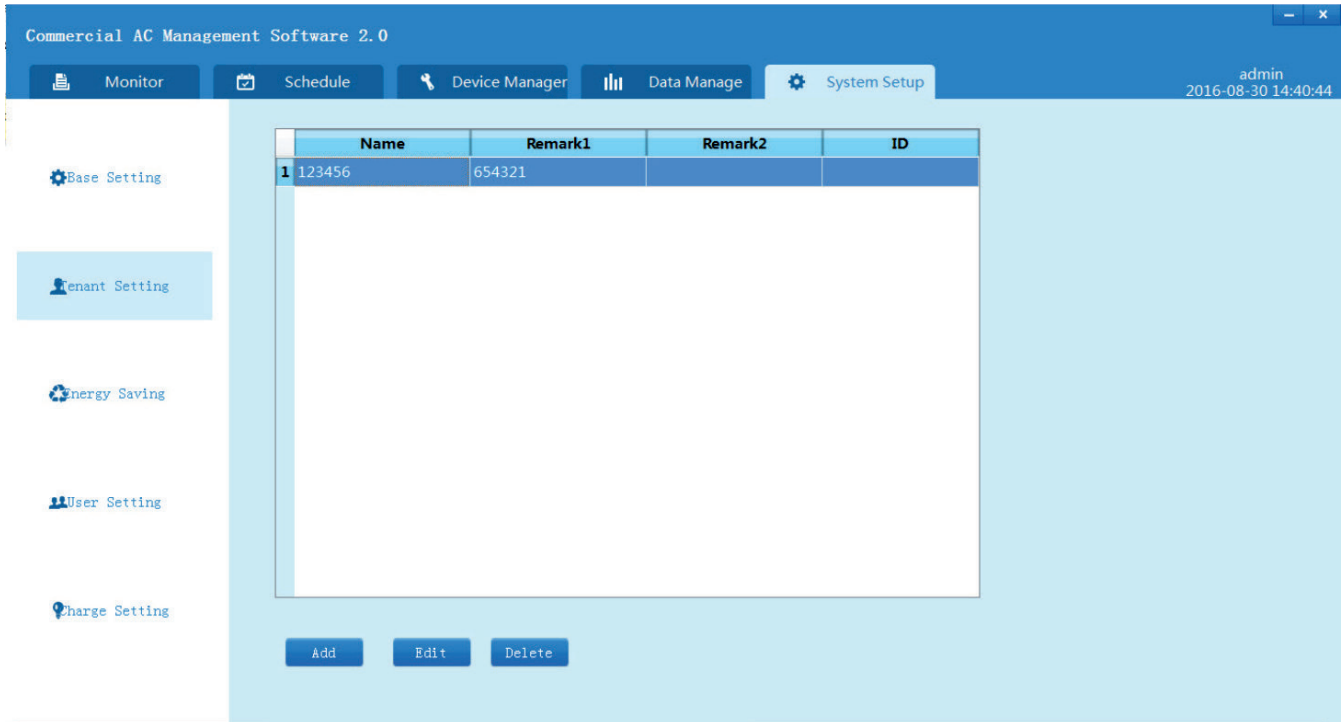
8.1 Configuración de locatario



Pulsar "Añadir" y aparecerá un cuadro de diálogo. Introducir el nombre y las observaciones y añadir los dispositivos desde la tabla "Todos los dispositivos" a la tabla "Gestionar punto".



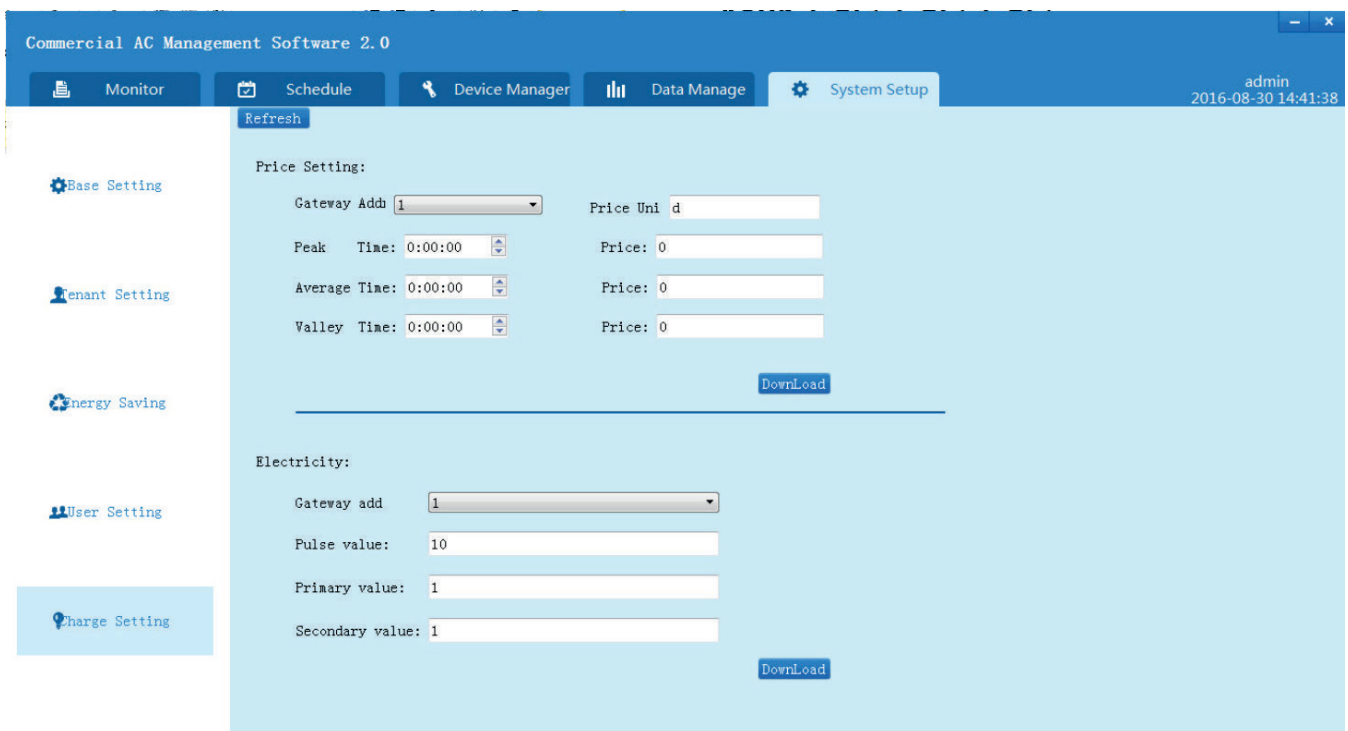
Pulsar 'Guardar' para finalizar la configuración de locatario. La recientemente añadida cuenta de locatario se mostrará en la tabla de configuración de locatarios. Puede editar o eliminar las cuentas.



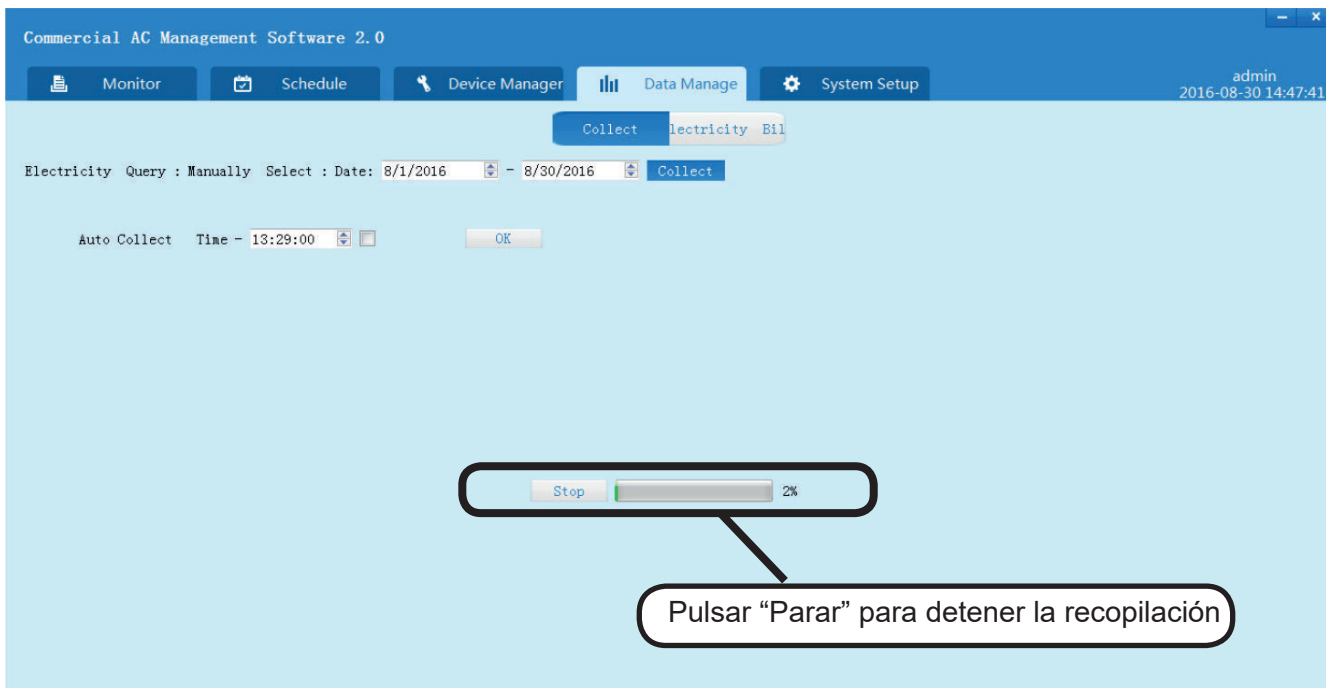
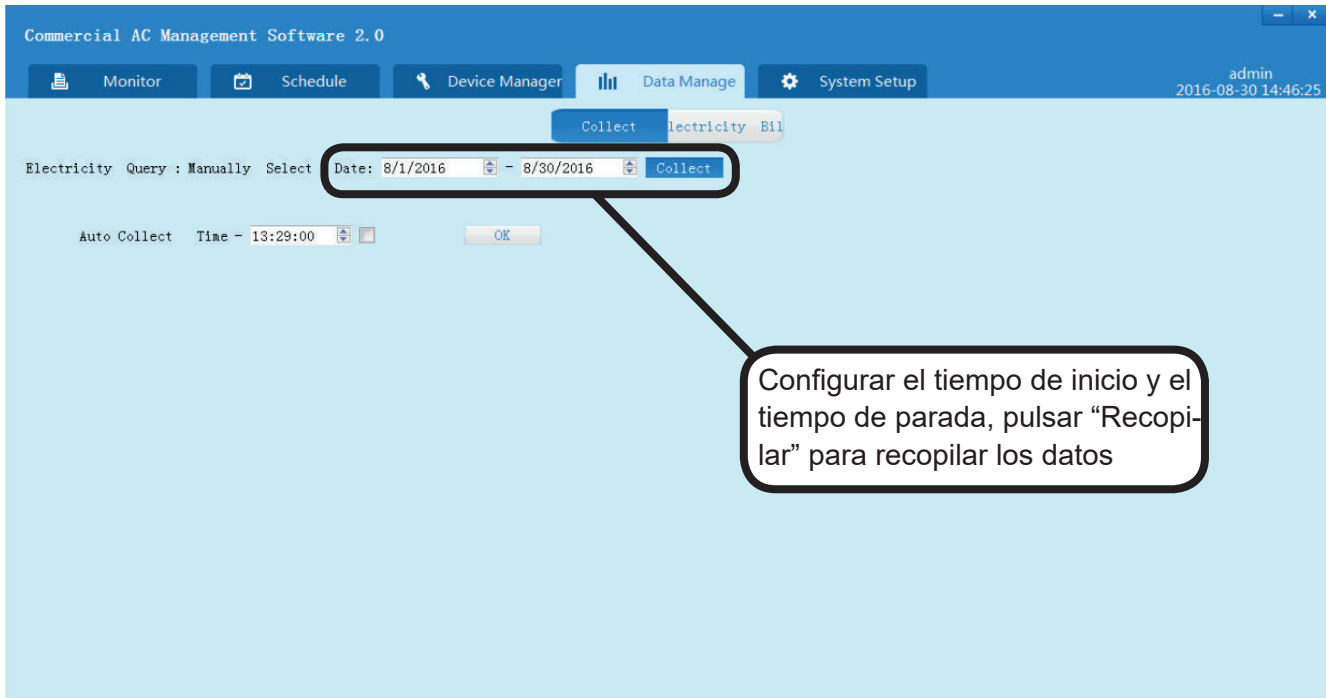
8.2 Configuración de información sobre electricidad

Configuración del precio de la electricidad: Hay que configurar el precio de la electricidad de cada puerta de enlace. Configurar el tiempo de inicio, el precio y la unidad de precio por pico, promedio y valle. Pulsar 'Descargar' para activar la configuración.

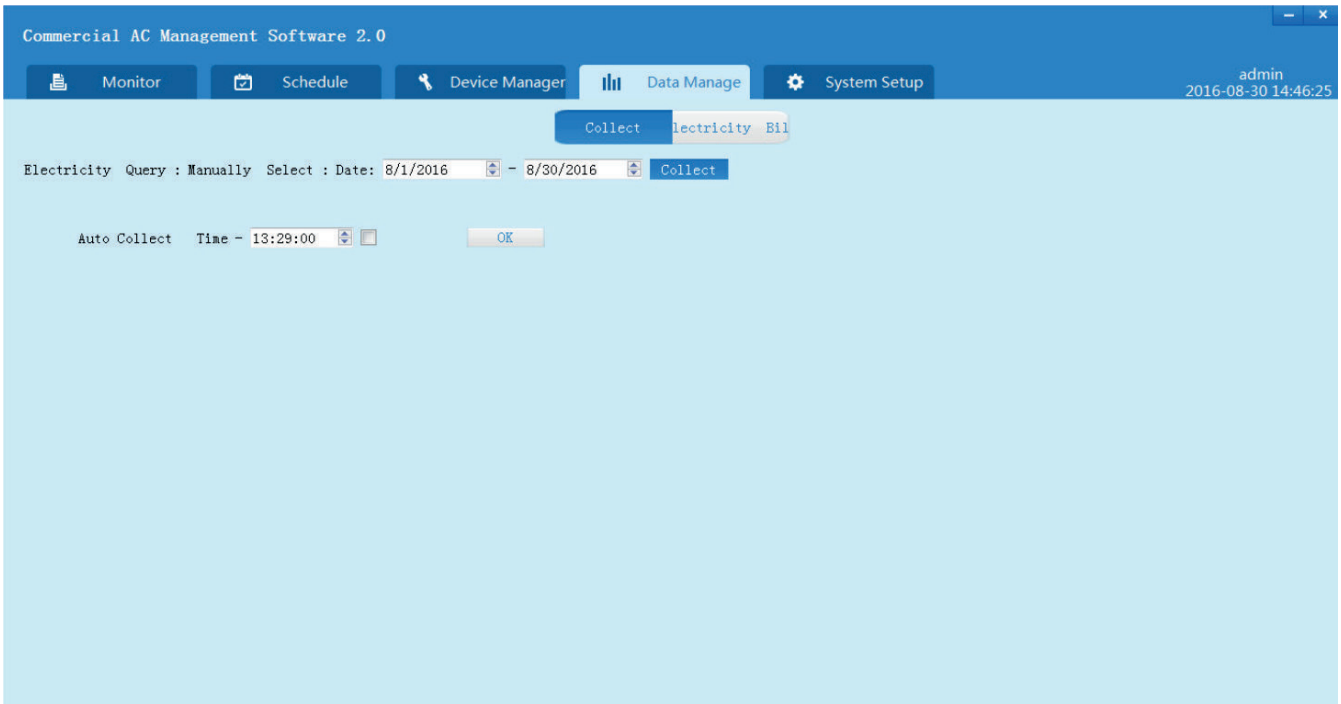
Configurar el valor de pulso, el valor primario, el valor secundario para cada puerta de enlace. Pulsar 'Descargar' para activar la configuración.



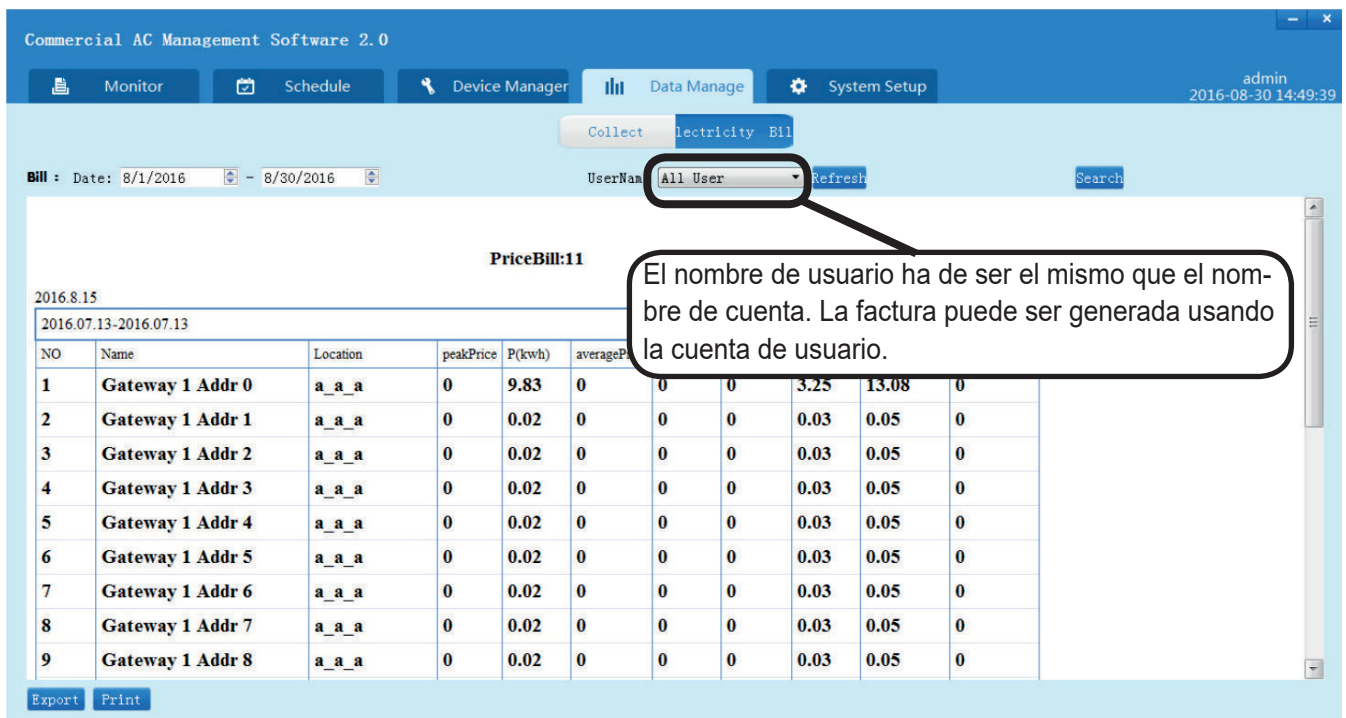
Recopilar los datos de consumo de electricidad desde la interfaz “Gestión de datos”. Configurar el rango de tiempo y luego pulsar “Recopilar”. El proceso se muestra en la interfaz. Pulsar “Parar” para detener la recopilación.



“Recopilación automática : Configurar el tiempo de ‘Recopilación automática’, marcar la casilla de verificación y luego pulsar “ACEPTAR”. Puede recopilar automáticamente los datos de consumo de electricidad en el momento que lo configura. Desmarque la casilla de verificación para cancelar la recopilación automática. La recopilación manual tiene mayor prioridad y cubrirá los datos recopilados automáticamente”.

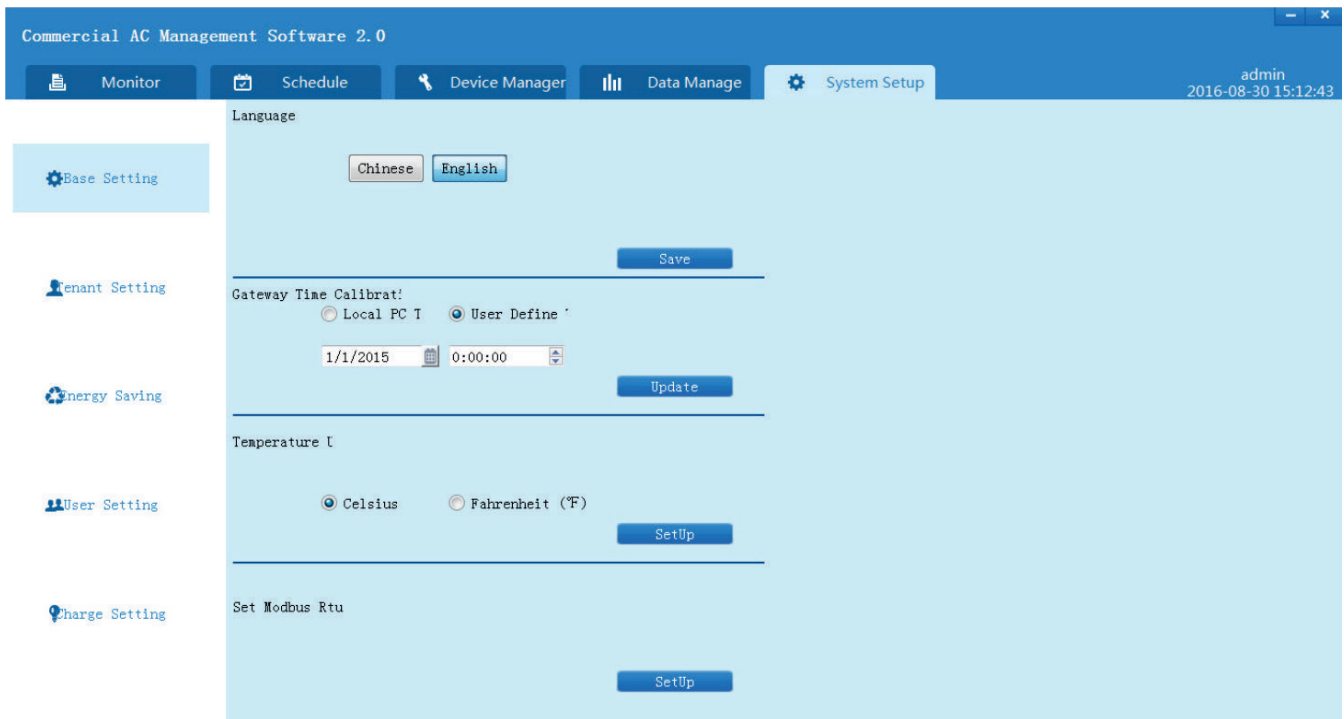


En la interfaz “Factura de electricidad”, introduzca el rango de tiempo y el nombre de usuario y luego pulse “Buscar”. Se mostrará la factura en la interfaz. Pulsar “Exportar” o “Imprimir” para exportar o imprimir la factura.



Registro de ejecución de sistema

1. Configuración básica

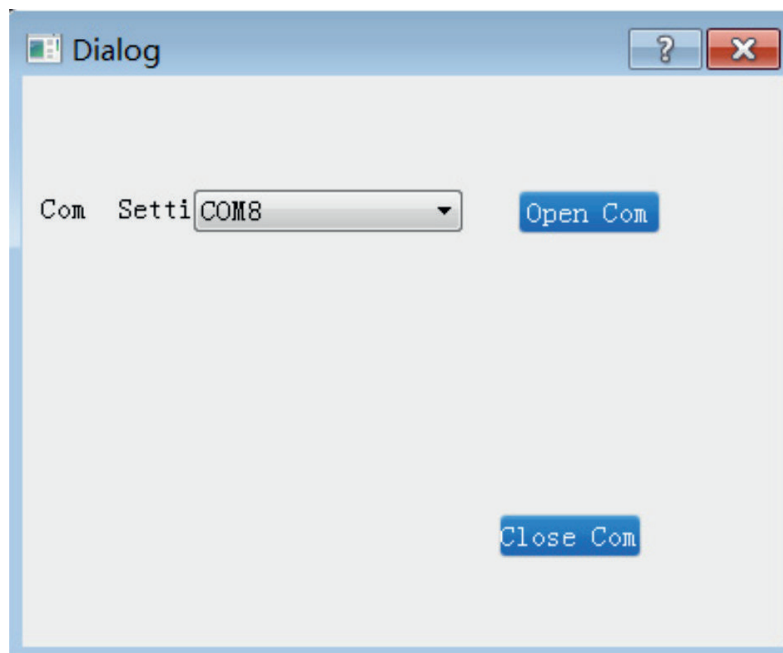


Idioma: Hay disponibles inglés y chino

Lectura de tiempo de puerta de enlace: registros de consumo de electricidad de la puerta de enlace 40VCBM17FQEE. Puede seleccionar “Tiempo de PC Local” y “Tiempo de usuario”.

Unidades de temperatura: Configuración de unidades de temperatura para cada interfaz. Tiene la opción de Celsius o Fahrenheit.

Configuración de puerto de Modbus : Esta interfaz de terceros lo indica a través del puerto de serie del ordenador.



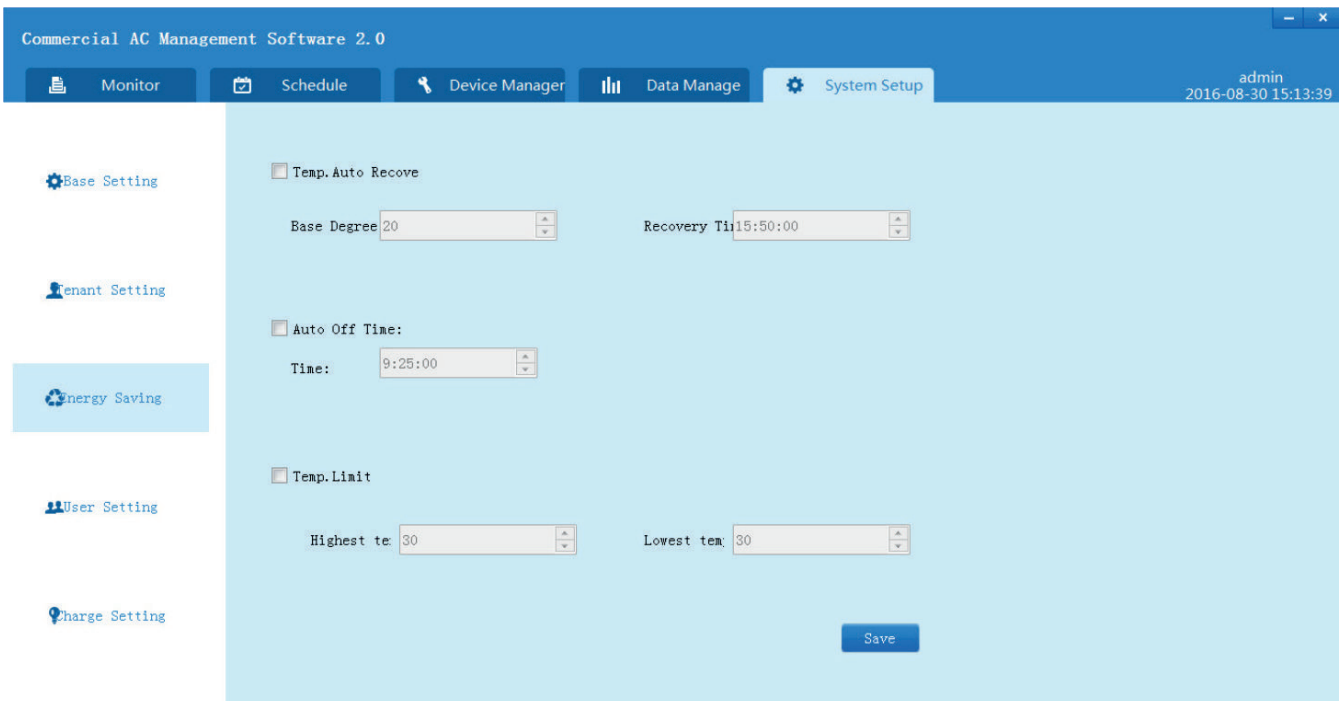
Conectar el puerto de serie 485 al ordenador, seleccionar el puerto correspondiente en la interfaz de configuración de puerto y luego pulsar “Abrir Com”. El software de terceros puede consultar y controlar la unidades de interior de aire acondicionado a través de este puerto.

2. Configuración de ahorro de energía

Recuperación automática de temperatura: Cuando se alcanza el tiempo de recuperación, la temperatura configurada pasa a “Grado base” automáticamente.

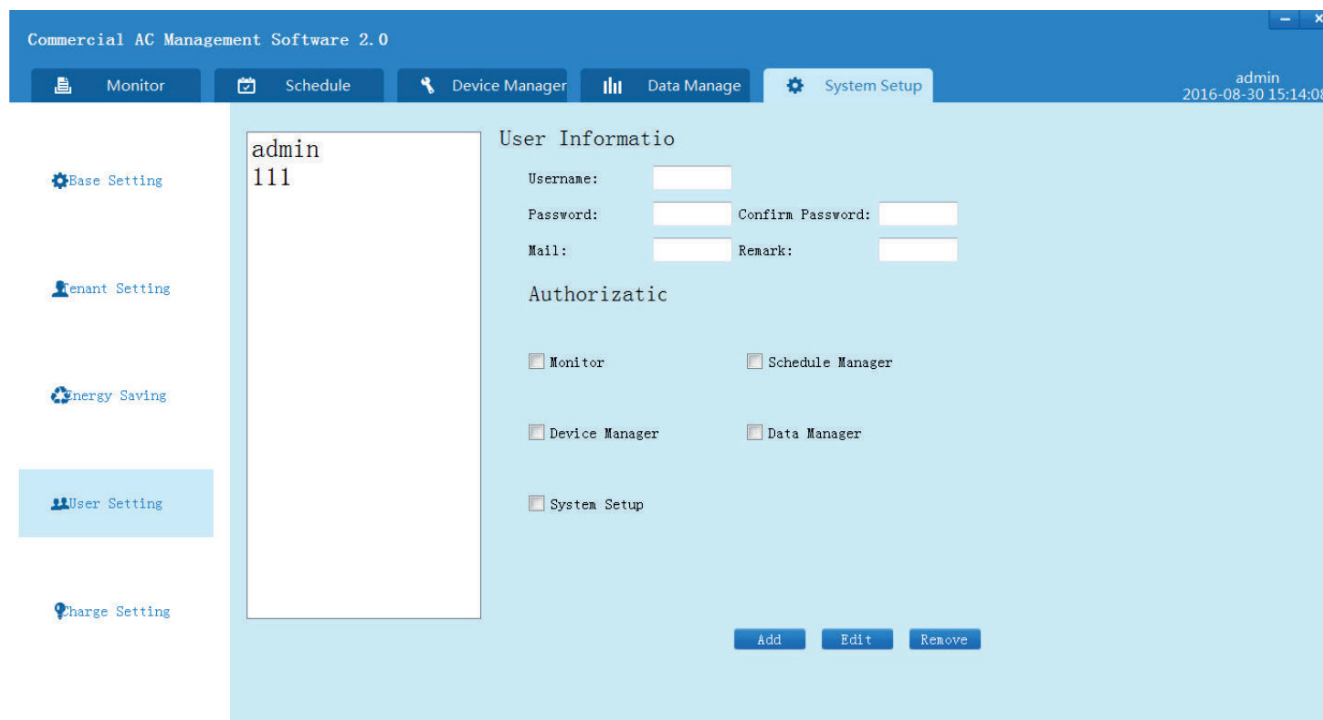
Apagado: La alimentación eléctrica se apaga cuando transcurre el tiempo configurado.

Límite de temperatura: Configurar el límite de temperatura para ahorrar energía. La temperatura configurada no debe exceder la temperatura más alta en modo calefacción y no debe ser inferior a la temperatura más baja en modo refrigeración y modo en seco.



3. Administración de usuario

Añadir, editar y eliminar la información de usuario, incluido el nombre de usuario, contraseña, email, y observaciones, y configurar los permisos de los usuarios.





Turn to the experts

El fabricante se reserva el derecho de modificar las especificaciones del producto sin previo aviso.

Información conforme a la Directiva 2006/42/EC	
Nombre del fabricante	Carrier SCS
Dirección, ciudad, país	Route de Thil - 01120 Montluel – France



Turn to the experts



Manual de Operação e Instalação

NOME DO MODELO

40VCB117FQEE

Nº 0150545715

Edição: 2021-04



Conteúdos

Breve introdução	1
Diagrama de fiação do sistema	2
Instalação do software	7

O sistema BMS transfere os dados de um ar condicionado para o computador através do adaptador de protocolo do inversor (gateway). O utilizador pode monitorizar o estado de funcionamento da unidade interior e exterior em tempo real, utilizando o computador. Defina o parâmetro do sistema a tempo; inicie ou pare as unidades interiores individualmente, ou no grupo, conforme necessário. Receba alarmes e tire algumas medidas em tempo real.

Aparelhos necessários para o sistema 40VCB117FQEE

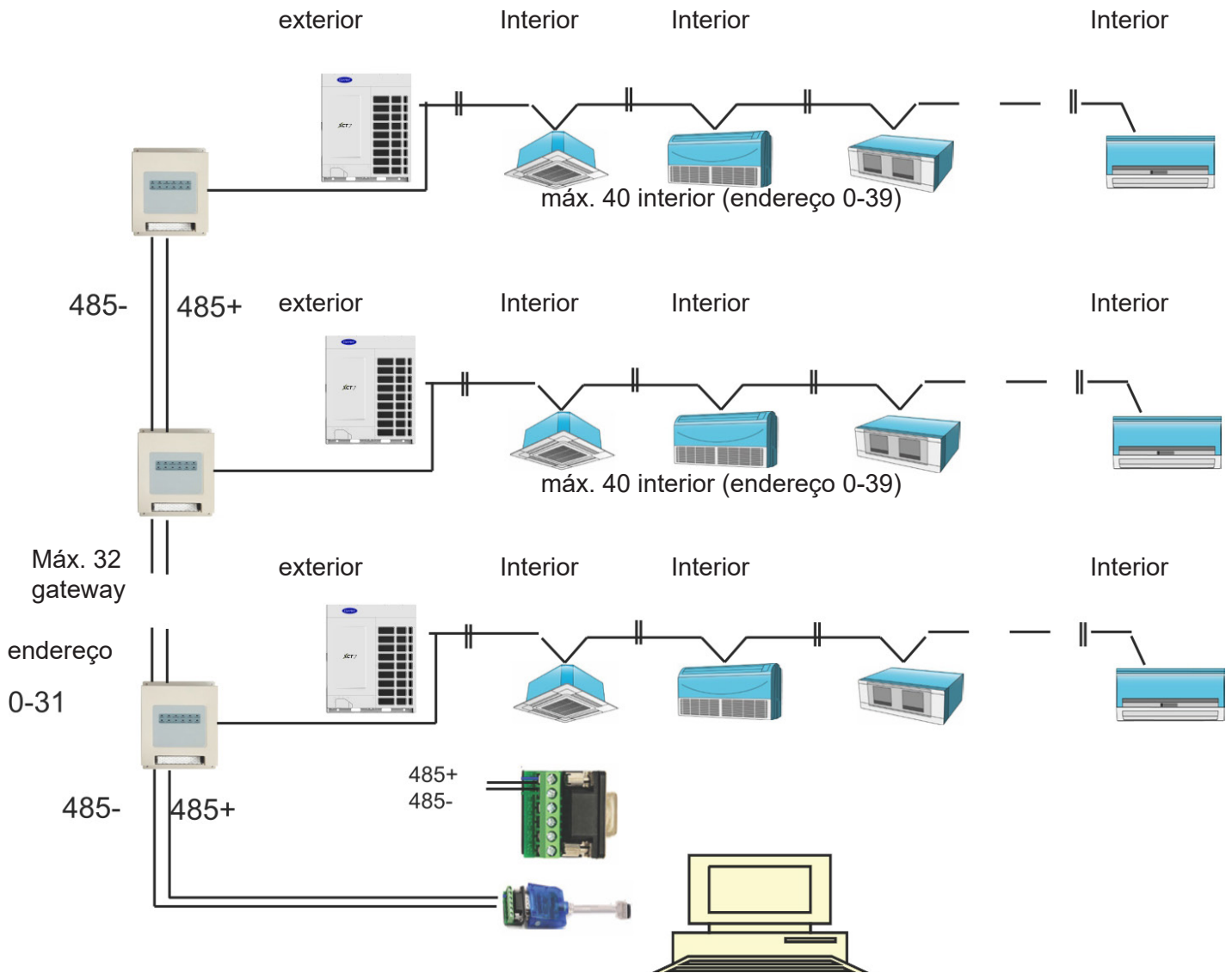
1. Gateway: Converta o protocolo do sistema de ar condicionado no protocolo 485.
2. Software: Permita que os parâmetros AC sejam vistos e controlados pelo computador. Cada computador pode instalar apenas um conjunto de software.
3. Adaptador: USB para RS-485, converta 485 para USB.
4. Gateway: 40VCCR17FQEE, 40VCBM17FQEE.

Escala controlável

1. Um máximo de 40 (0-39) unidades interiores podem ser ligadas a um sistema de arrefecimento.
2. Cada sistema de arrefecimento requer um adaptador de protocolo e um gateway.
3. Um máximo de 32 gateways pode ser ligado a um conjunto de software. Um máximo de 512 unidades interiores pode ser controlado por um conjunto de software.
4. Durante a instalação do software, o sistema irá controlar 32 gateways ou 512 unidades internas, no máximo de cada vez. O mesmo bloqueia a adição de gateways ou unidades internas ao sistema.

Por exemplo,

- O software (40VCB117FQEE) foi ligado a 32 gateways e 200 unidades interiores. Não se pode acrescentar mais nenhum gateway.
- O software (40VCB117FQEE) foi ligado a 512 unidades interiores e 20 gateways. Não podem ser adicionadas mais unidades interiores, embora o software ainda possa adicionar mais 12 gateways.

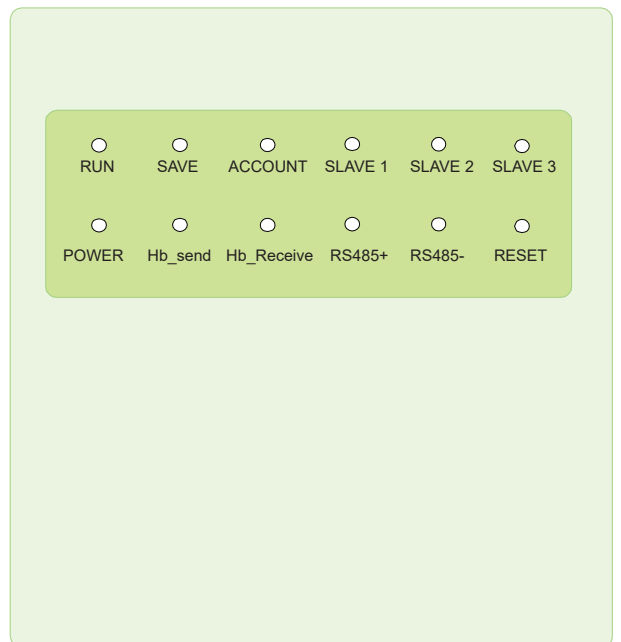


Aparência e dimensão do adaptador de protocolo

Aparência:



Dimensão: 200*130*43(mm)



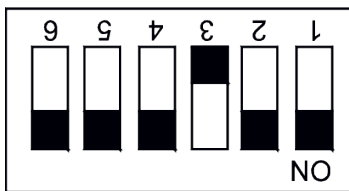
Pedido de fiação

1. O adaptador do protocolo necessita de uma alimentação elétrica de 220V AC.
2. A linha de comunicação entre a unidade interior e a unidade exterior e a linha bus 485 entre os adaptadores de protocolo deve ser passada através da manga de fio de aço no H-CACSII.
3. O endereço central interior e o endereço da unidade interior/exterior devem ser definidos manualmente.
4. O sistema com H-CACSII não deve definir a função de grupo do controlador com fios.

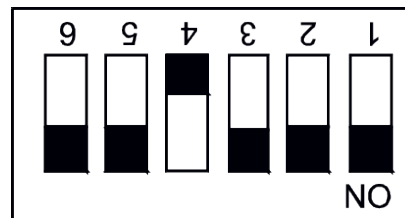
Configuração do interruptor dip:

LIGADO: 0; DESLIGADO: 1

Esquerda 4



Direita 8



Mostra o endereço de 40VCBM17FQEE, intervalo de endereços: 1-32.

Definição de lâmpada de comunicação:

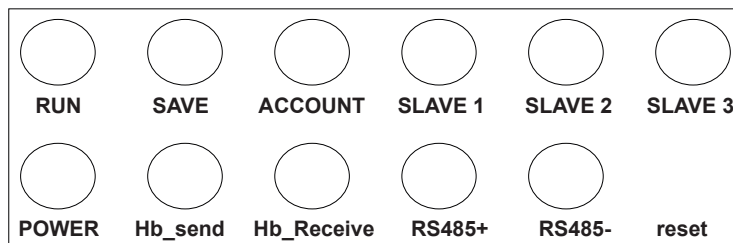
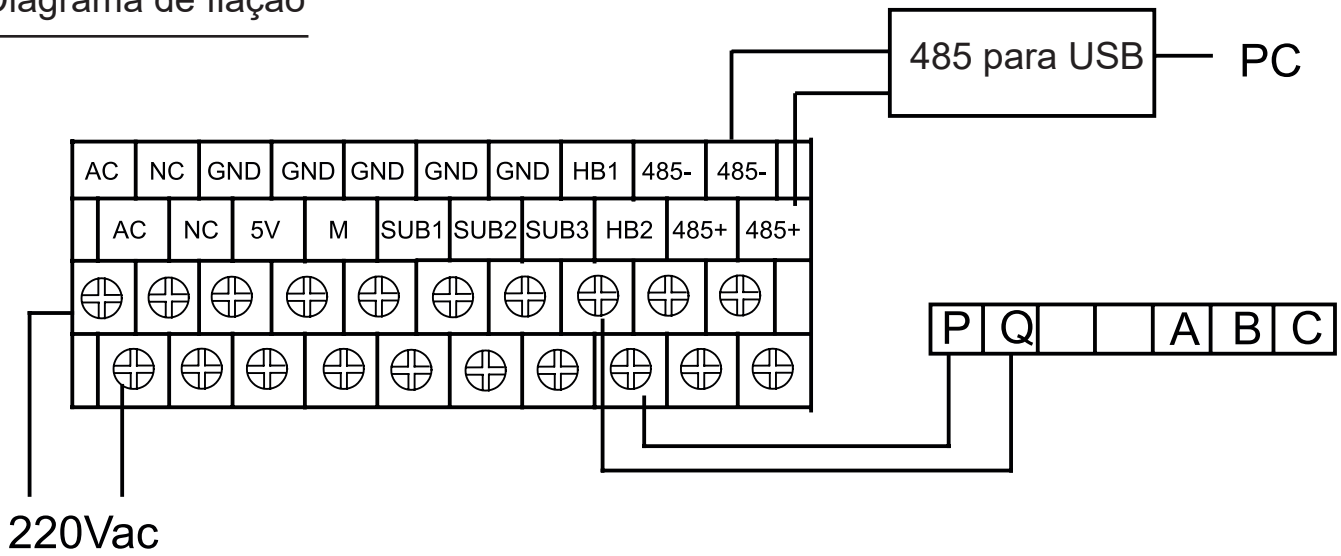
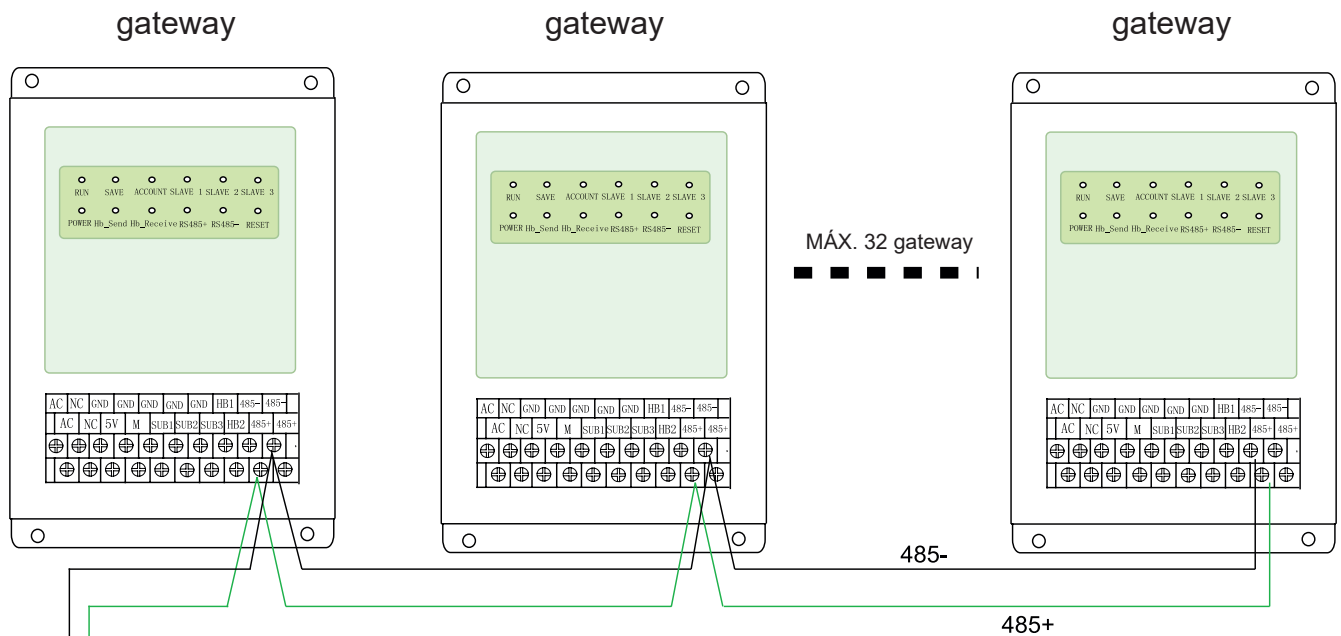


Diagrama de fiação



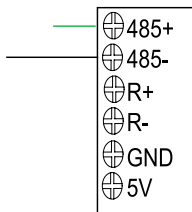
220Vac



485 CONVERTIDO PARA USB



PC



Adaptador: RS-485 para USB

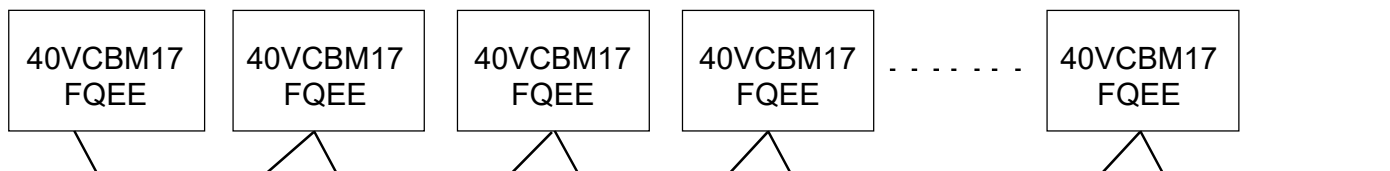
Fiação:

1. Fios de alimentação elétrica: 220V AC, 50Hz.

Utilize as especificações solicitadas e fixe-os com firmeza.

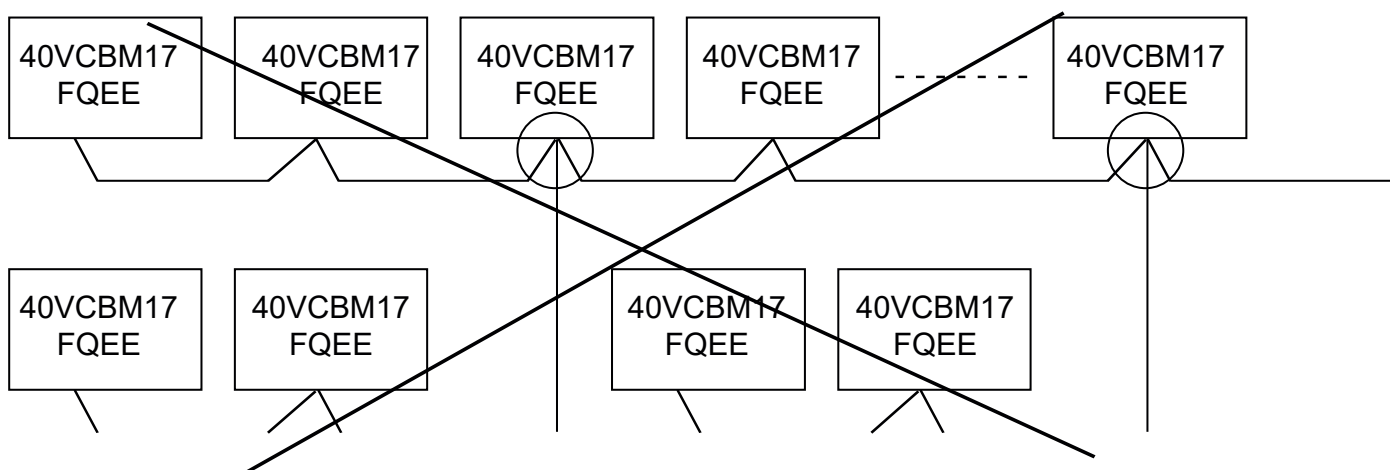
2. Fios de comunicação:

Os fios entre 40VCBM17FQEE devem usar dois fios de polaridade e uma ligação em anel.



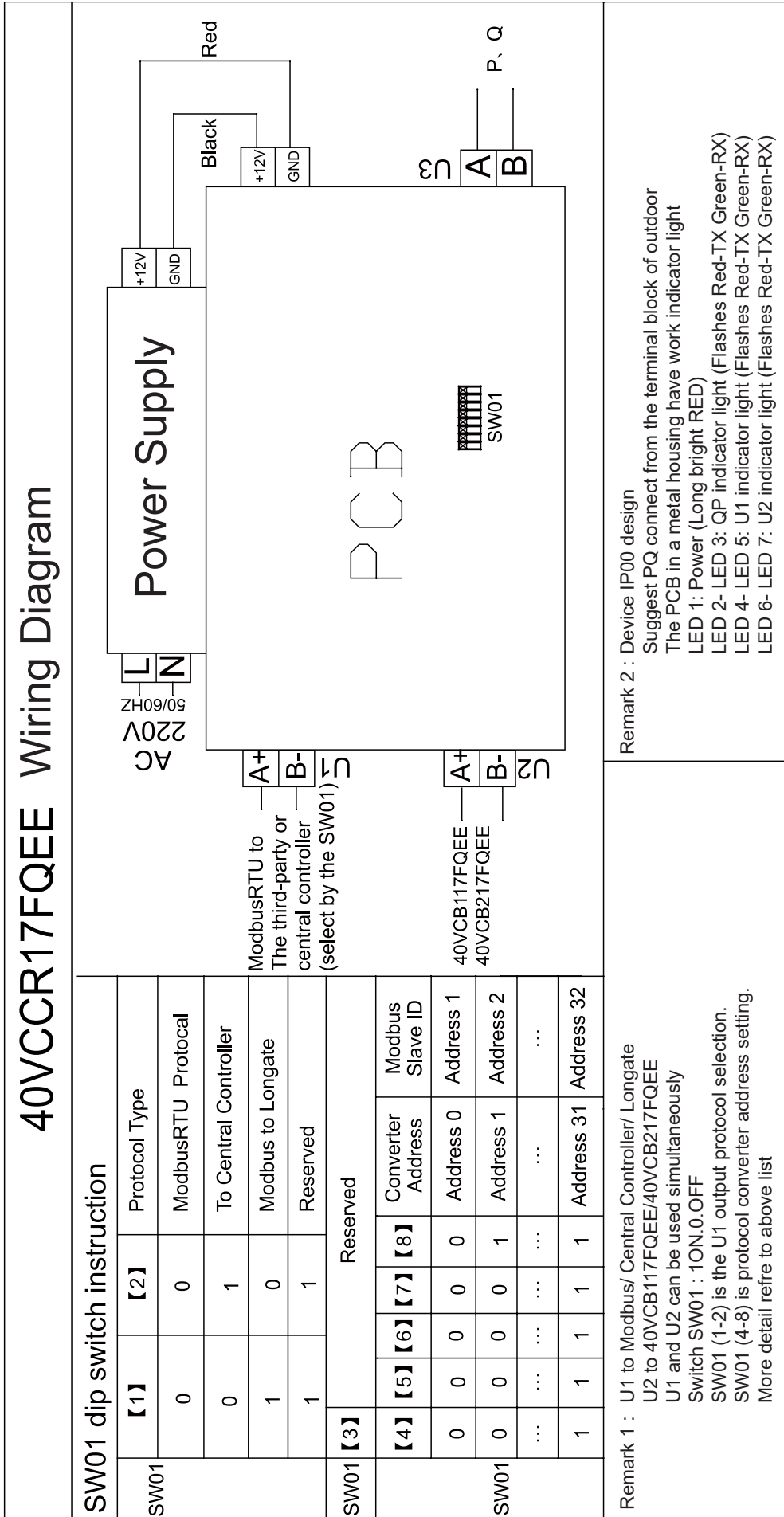
Advertência:

Não são permitidas as seguintes ligações (têm interligação):



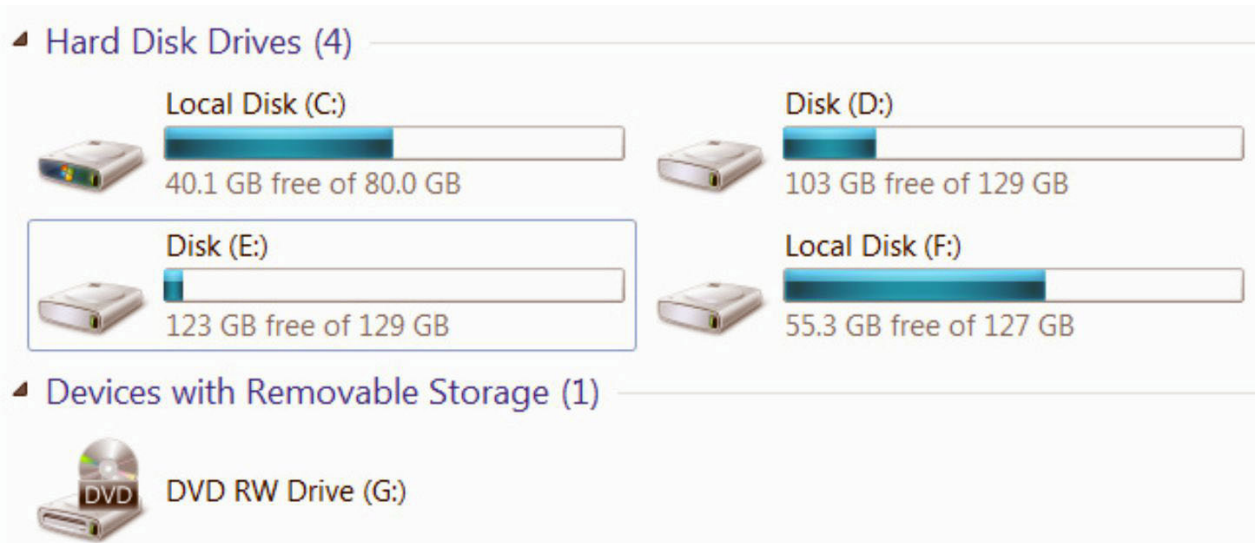
Notas:

- (1) Os fios de comunicação entre 40VCBM17FQEE e 40VCBM17FQEE devem usar fios de blindagem de dois núcleos e precisam de se ligar à terra.
- (2) A manga do fio de ferro deve ser utilizada para instalar os fios de comunicação e deve ser separada dos fios de alimentação.
- (3) Os fios de comunicação são sensíveis à polaridade
- (4) O comprimento total dos fios de comunicação deve ser de 500m no máximo.
3. Devem ser utilizados no máximo 40 conjuntos de unidades interiores em cada sistema exterior;
4. Ao utilizar o 40VCBM17FQEE, defina manualmente o endereço das unidades interiores do N.º até ao último em cada conjunto do sistema de unidades exteriores. Mantenha o mesmo endereço da unidade interior e exterior (sw03) e o endereço central (sw02) da mesma unidade interior.
5. A linha entre a unidade interior e a unidade exterior, a linha entre gateway e gateway e a linha de impulso devem estar a, pelo menos, 20cm de distância da linha de alta tensão.



Instalar a base de dados

1. Inserir o disco no CD-ROM. Clique duas vezes no ícone (como mostrado):



2. O disco contém vários ficheiros de condutor para diferentes sistemas informáticos.

Name	Date modified	Type
Linux x64 (64-bit)	2016/4/19 16:36	File folder
Linux x86 (32-bit)	2016/4/19 16:36	File folder
Linux x86_64	2016/4/19 16:36	File folder
Mac OS 8 9	2016/4/19 16:36	File folder
Mac OS X 10.9 and above	2016/4/19 16:36	File folder
uninstall software	2016/4/19 16:36	File folder
win xp server2003 2008 2012 Vista 7 8 8.1 10 32-64bit	2016/4/19 16:36	File folder
win98 ME	2016/4/19 16:36	File folder
Date created: 2016/10/9 17:28 Size: 656 KB Folders: 232, 2232	2016/4/19 16:36	File folder
Windows CE 4.2-5.2 Mobile 5 6 PocketPC 2003 ARM XScale Processor	2016/4/19 16:36	File folder
Windows CE 6.0 ARM XScale Processor	2016/4/19 16:36	File folder
Windows CE 6.0 x86 Processor	2016/4/19 16:36	File folder
Windows CE 2013	2016/4/19 16:36	File folder
LINUX README.txt	2016/4/19 16:36	Text Document

3. Escolha o condutor correspondente ao seu computador. Por exemplo, win7 32bits. Clique duas vezes



e irá mostrar

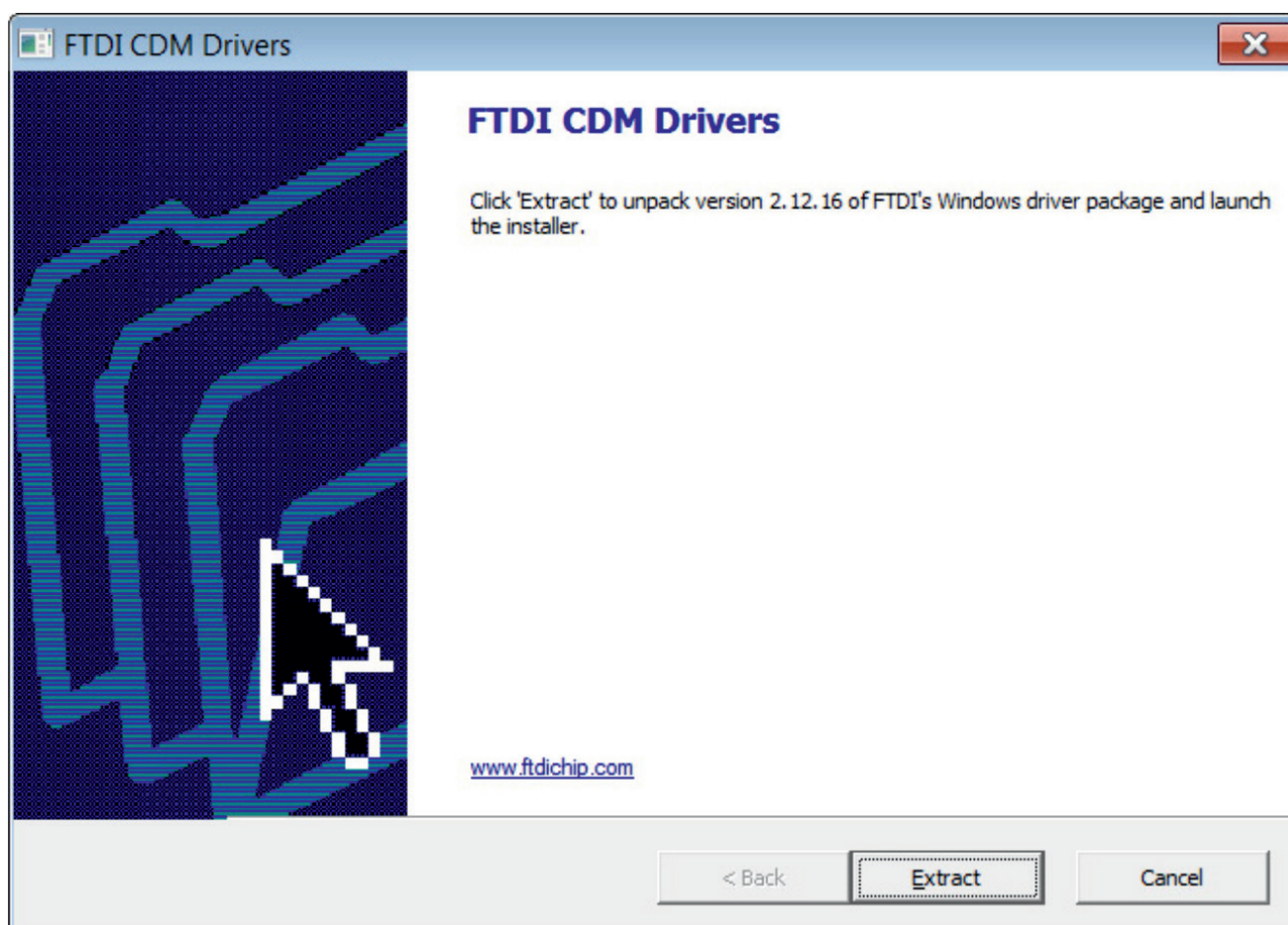
amd64	2016/4/19 16:36	File folder	
i386	2016/4/19 16:36	File folder	
Static	2016/4/19 16:36	File folder	
CDM 2 12 16 Release Info.rtf	2016/4/19 16:36	RTF 格式	216 KB
CDM v2.12.16 WHQL Certified.zip	2016/4/19 16:36	好压 ZIP 压缩文件	1,322 KB
CDM21216_Setup.exe	2016/4/19 16:36	Application	2,075 KB
CDM21216_Setup.rar	2016/4/19 16:36	好压 RAR 压缩文件	2,021 KB
ftd2xx.h	2016/4/19 16:36	H File	40 KB
ftdibus.cat	2016/4/19 16:36	Security Catalog	15 KB
ftdibus.inf	2016/4/19 16:36	Setup Information	18 KB
ftdiport.cat	2016/4/19 16:36	Security Catalog	14 KB
ftdiport.inf	2016/4/19 16:36	Setup Information	15 KB

Type: Security Catalog
Size: 13.3 KB

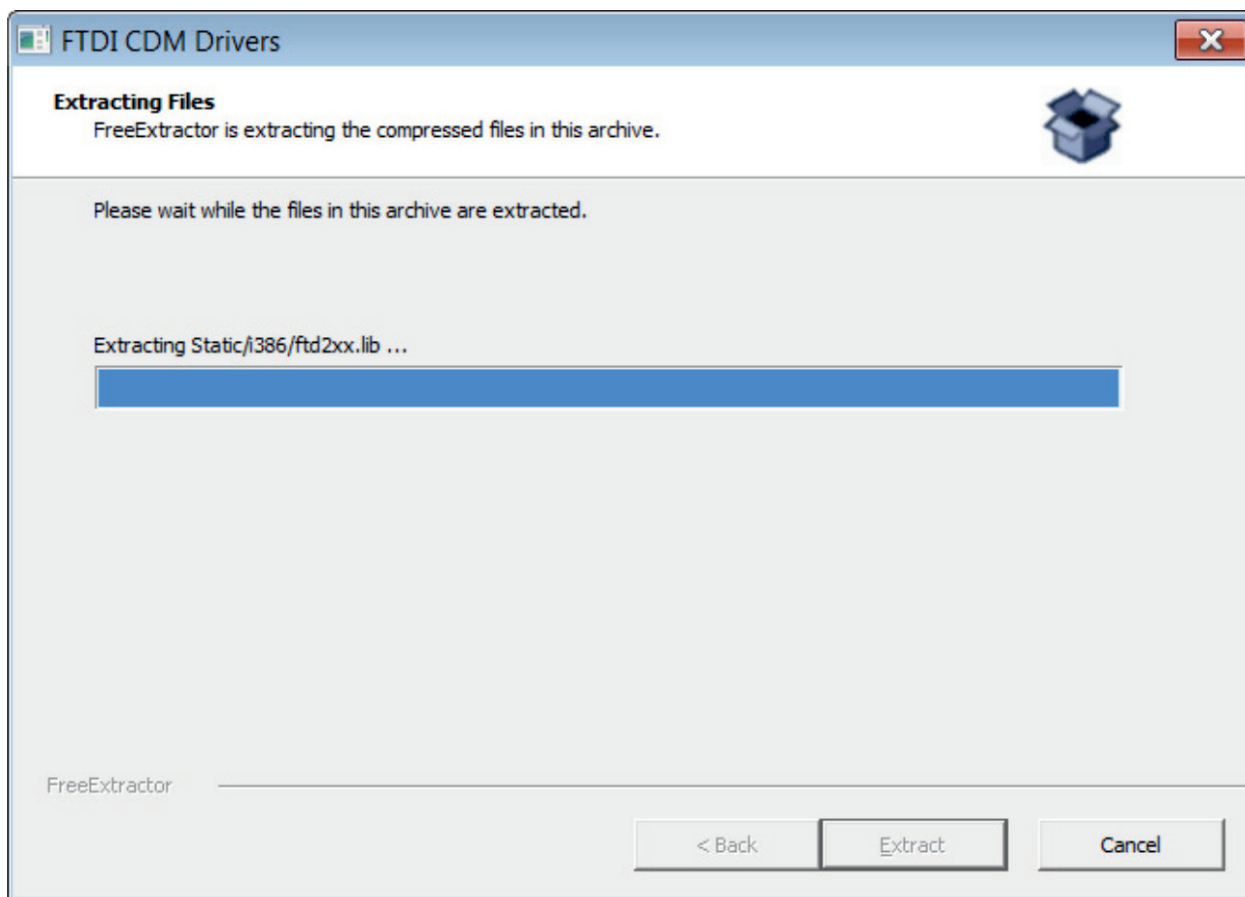
4. Clique duas vezes em

CDM21216_Setup.exe	2016/4/19 16:36	Application	2,075 KB
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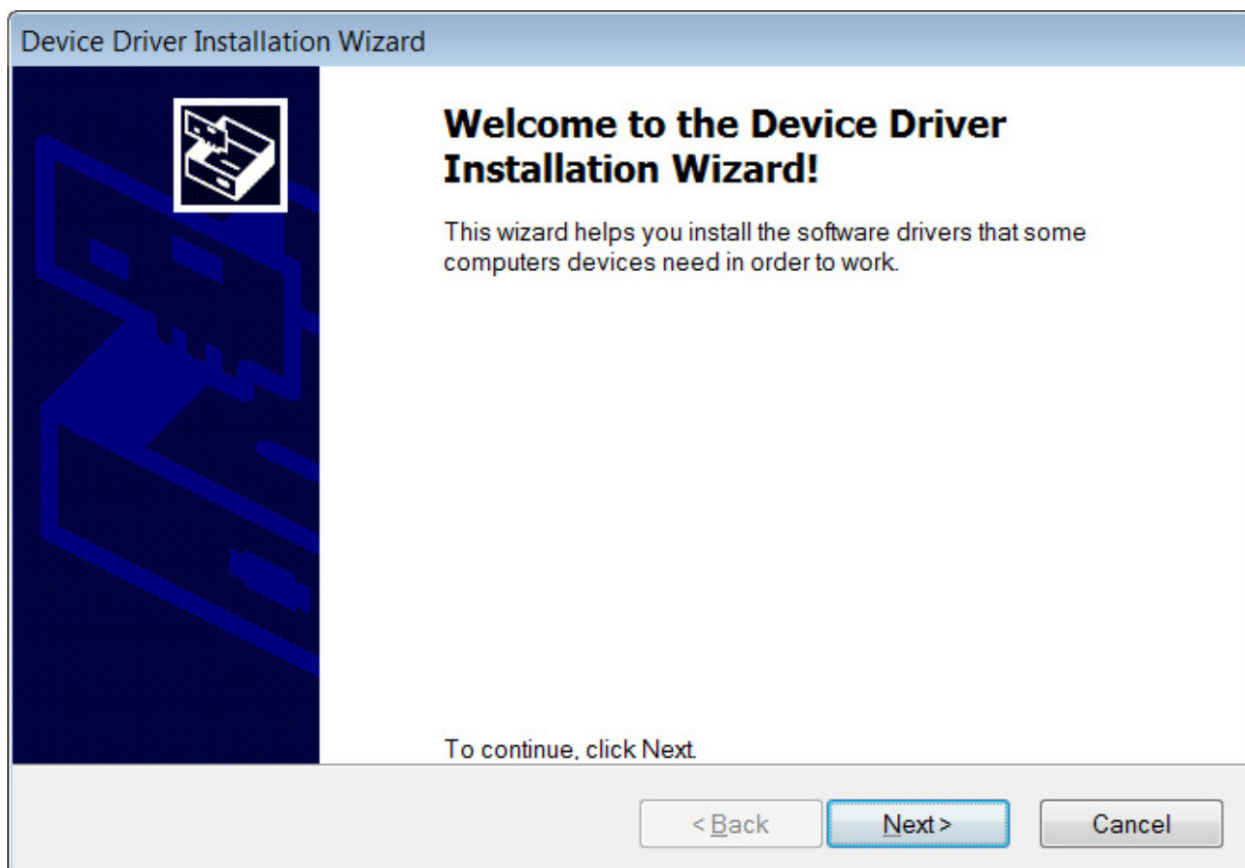
5. A instalação começa da seguinte forma. Clique no separador "Extract" ("Extrair")



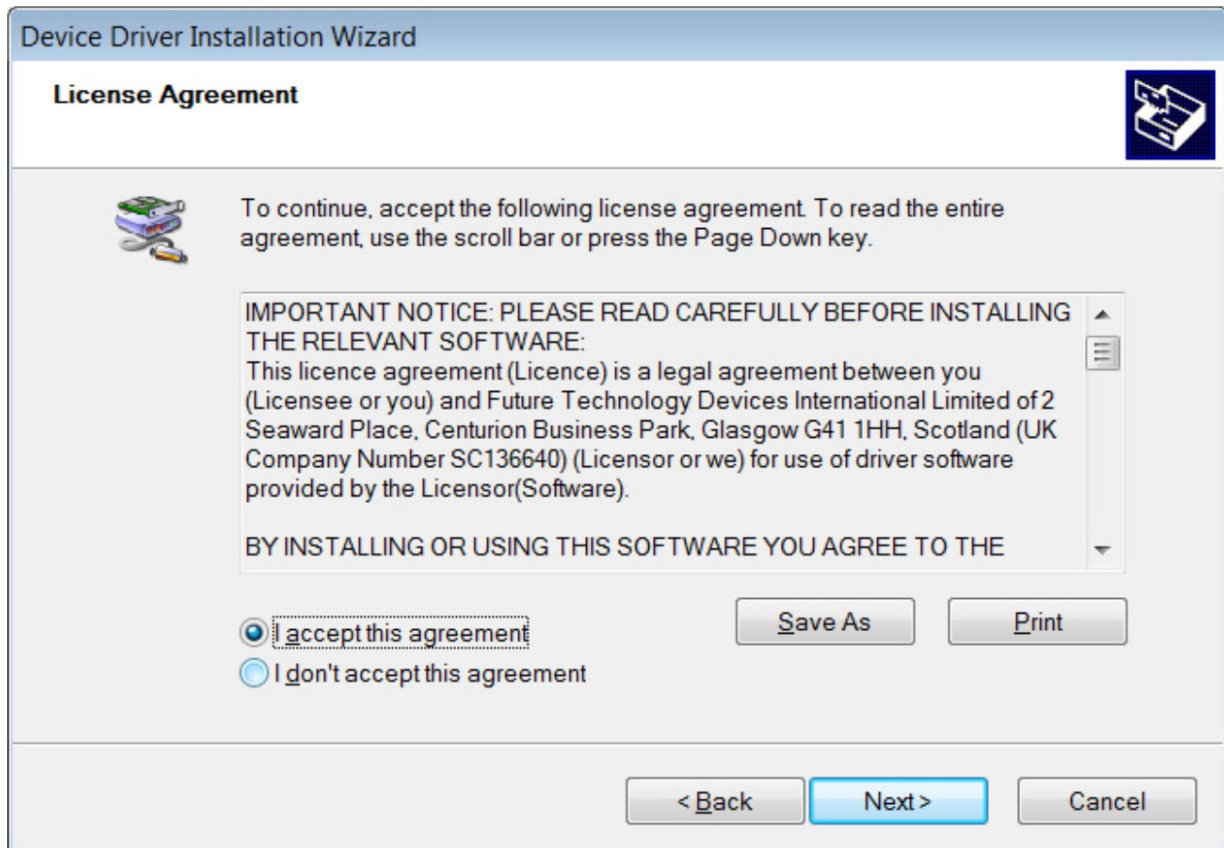
6. A instalação do condutor está em curso



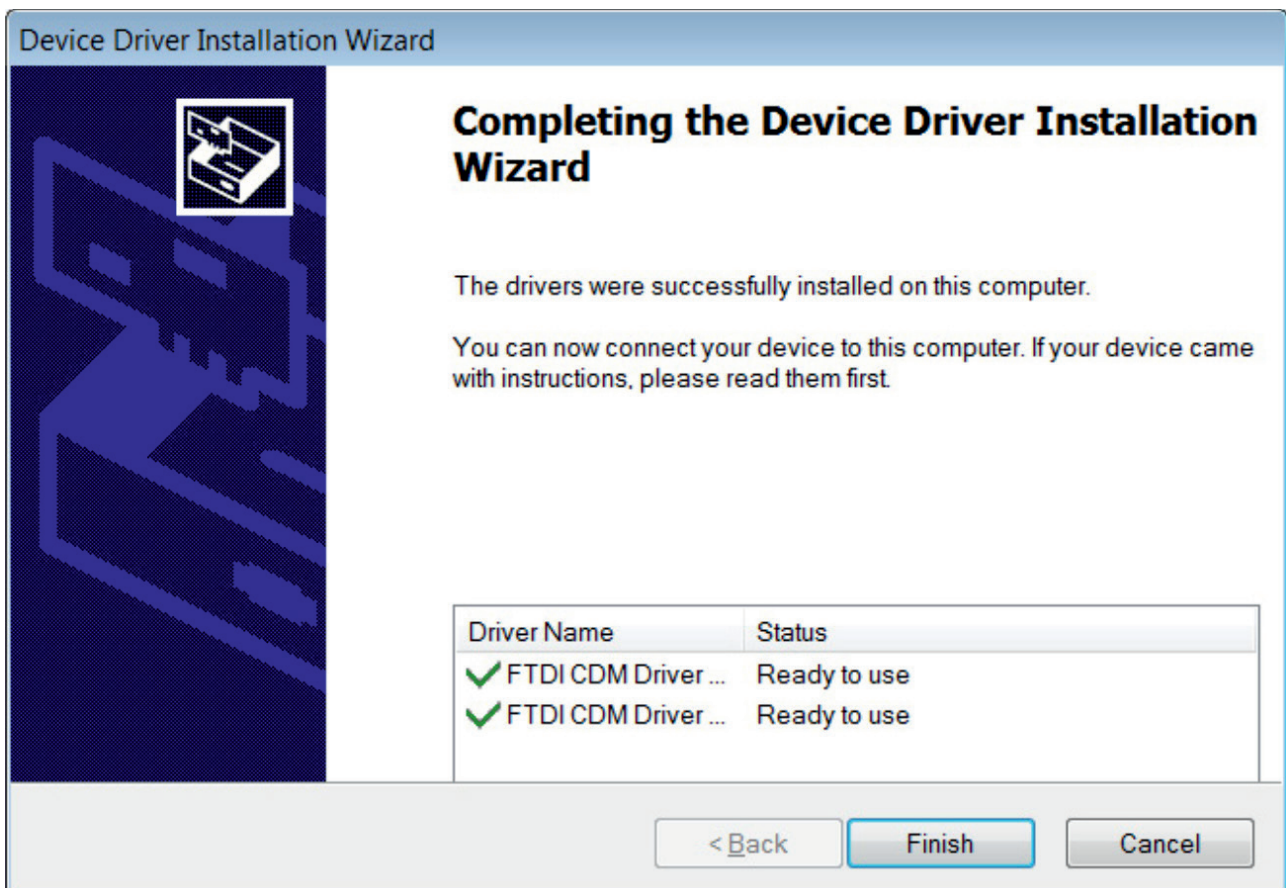
7. Clique no separador "Next" ("Seguinte")



8. Clique em **I accept this agreement** e depois no separador "Next" ("Seguinte")

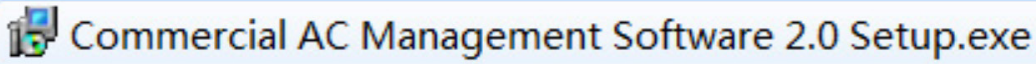


9. Clique no separador "Finish" ("Concluir") depois de o condutor estar instalado.

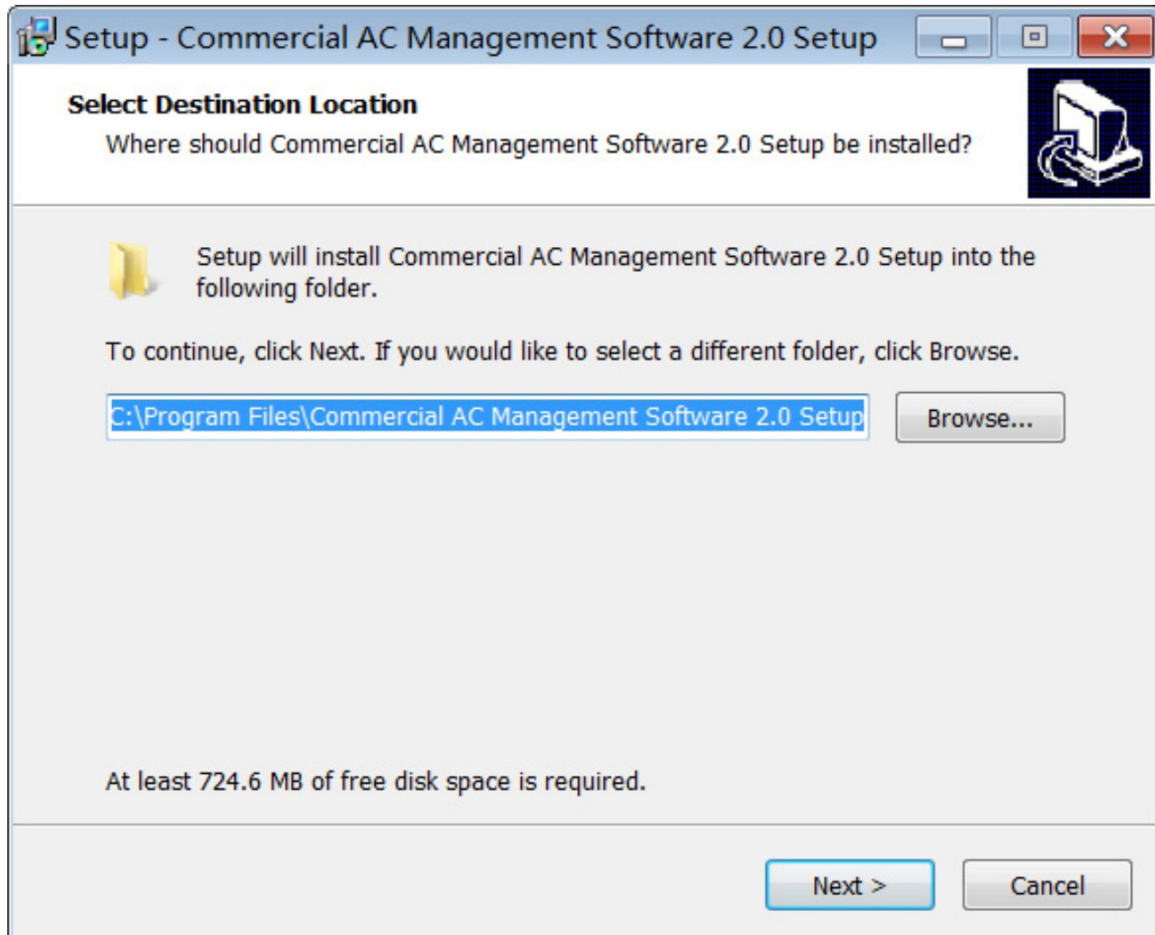


Instalação e arranque do software de gestão

1. Instalação do software de gestão

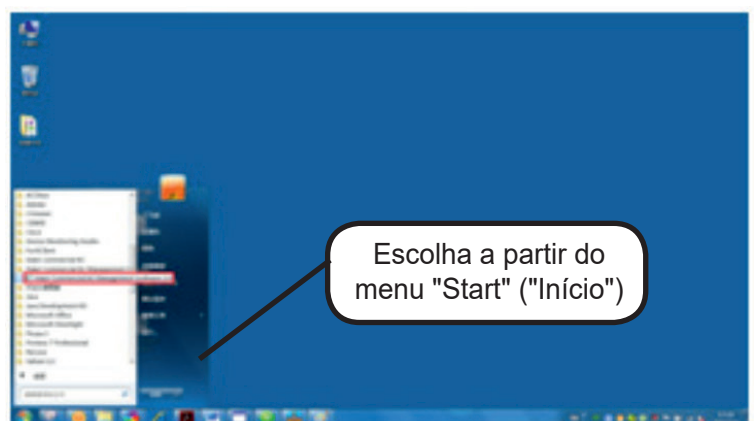
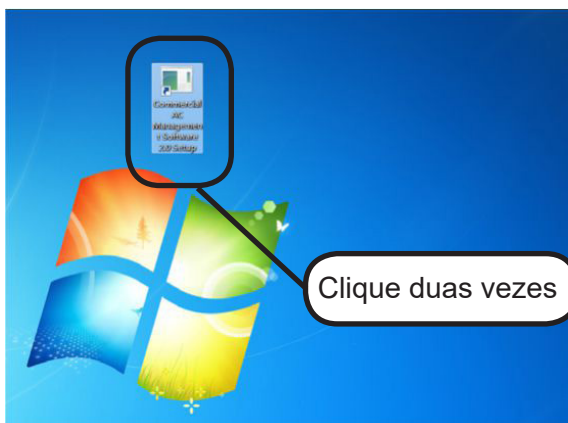


Clique duas vezes para iniciar a instalação, depois prima o separador de passo "next" ("seguinte") para concluir a instalação.



2. Arranque

Clique duas vezes no ícone "Commercial AC Management Software 2.0" no ambiente de trabalho, ou escolha "Commercial AC Management Software 2.0" a partir do menu "start" ("início").



É necessário o registo para o executar pela primeira vez.

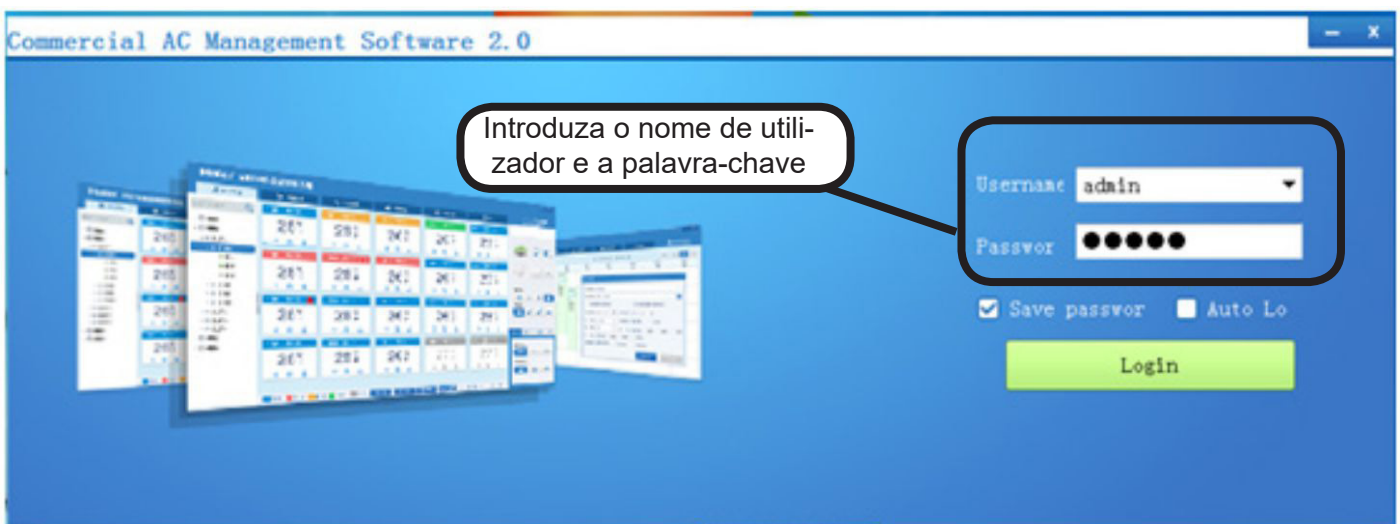


Clique em "Generate SN" ("Gerar SN"), para gerar o código SN e depois enviá-lo ao técnico para obter o ficheiro "license.dat". Após obter o ficheiro "license.dat", copie-o para o diretório de instalação para cobrir o ficheiro "license.dat" anterior. Feche o programa de software e depois reinicie para que o programa de software funcione corretamente.

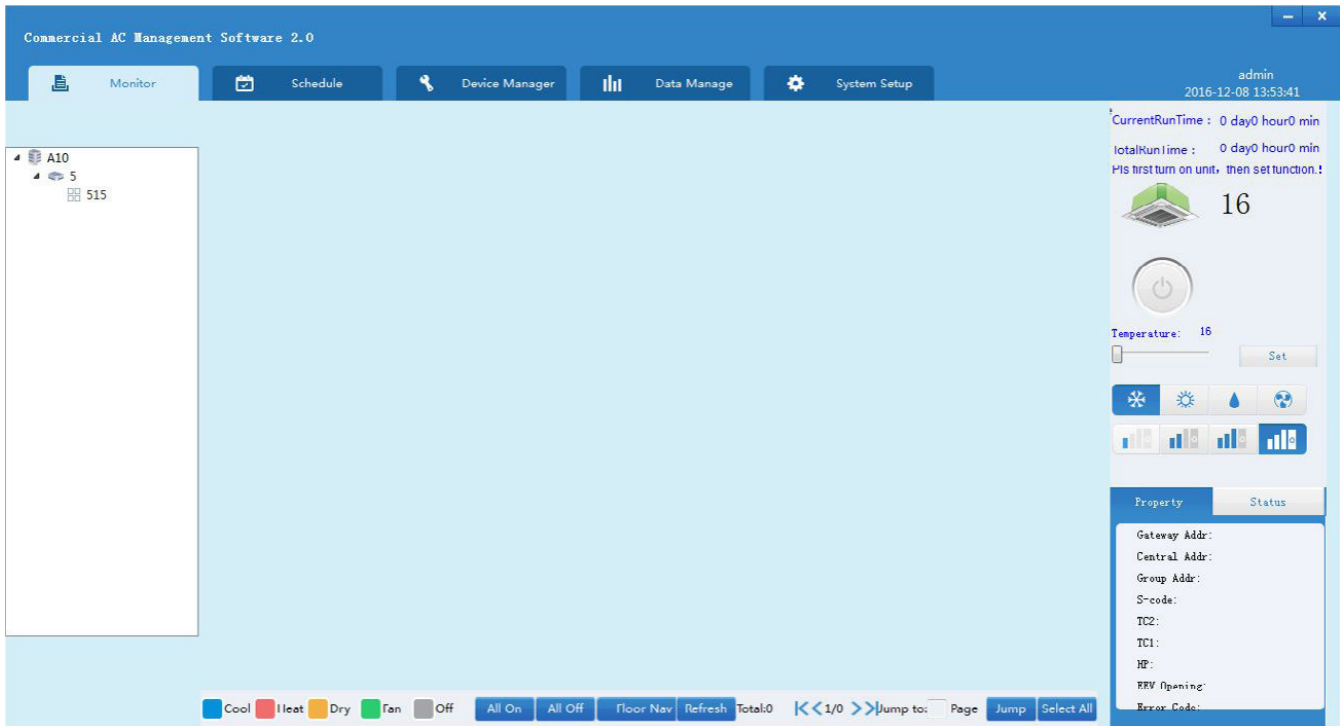
Insira o nome de utilizador e palavra-passe na janela de início de sessão apresentada.

Nome de utilizador: admin (predefinição)

Palavra-passe: 12345 (predefinição)



Depois de inserir o nome de utilizador e palavra-passe, clique em "login" ("iniciar sessão") para entrar na interface principal, como mostra a figura seguinte.



3. Parar o programa de software

Quando desligar o computador, siga dois passos:

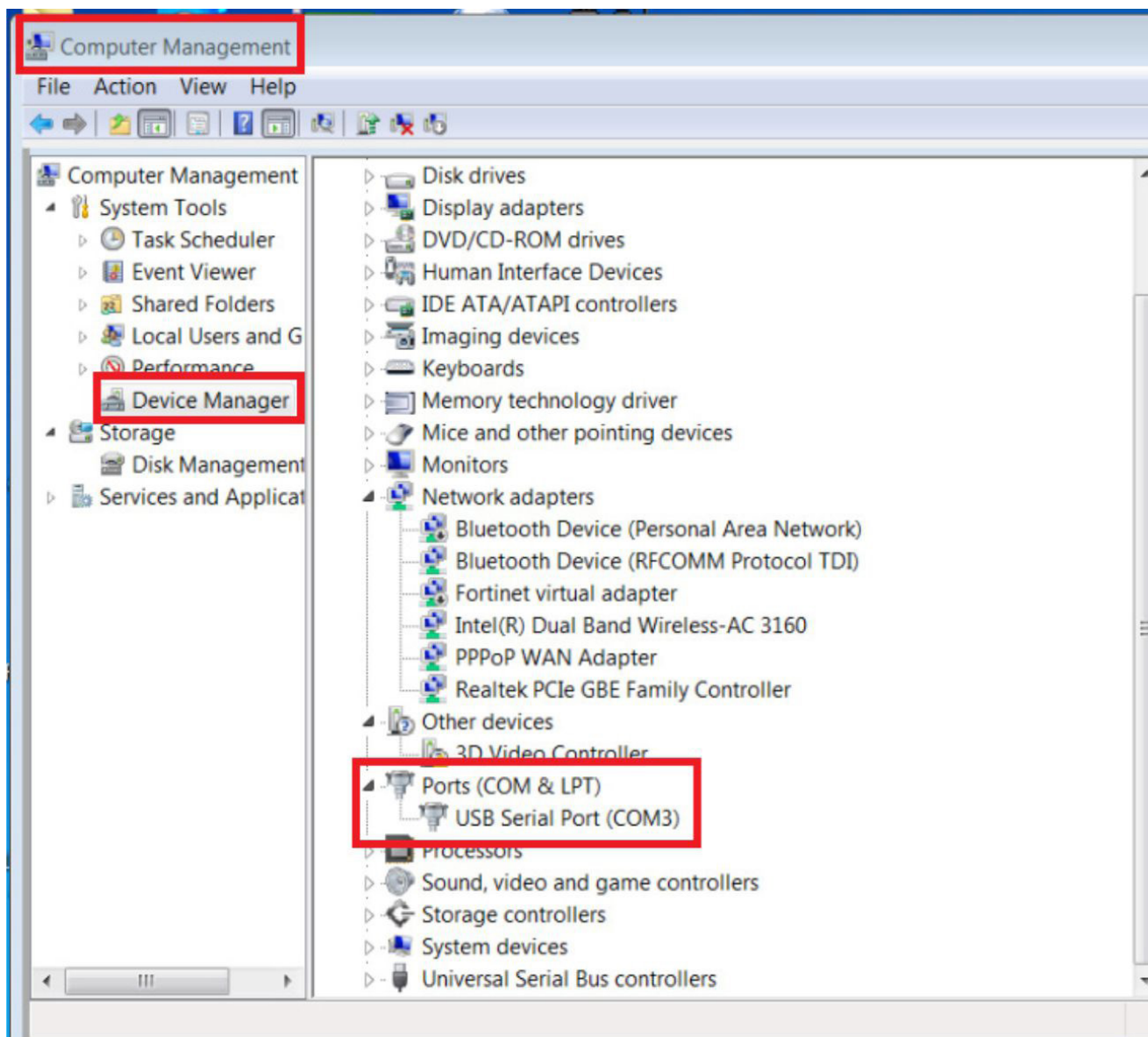
- ① saia do "Commercial AC Management Software 2.0" e, em seguida,
- ② saia das janelas

Antes de sair do "Commercial AC Management Software 2.0", clique em "X" no canto superior direito da página principal da interface e depois saia das janelas.



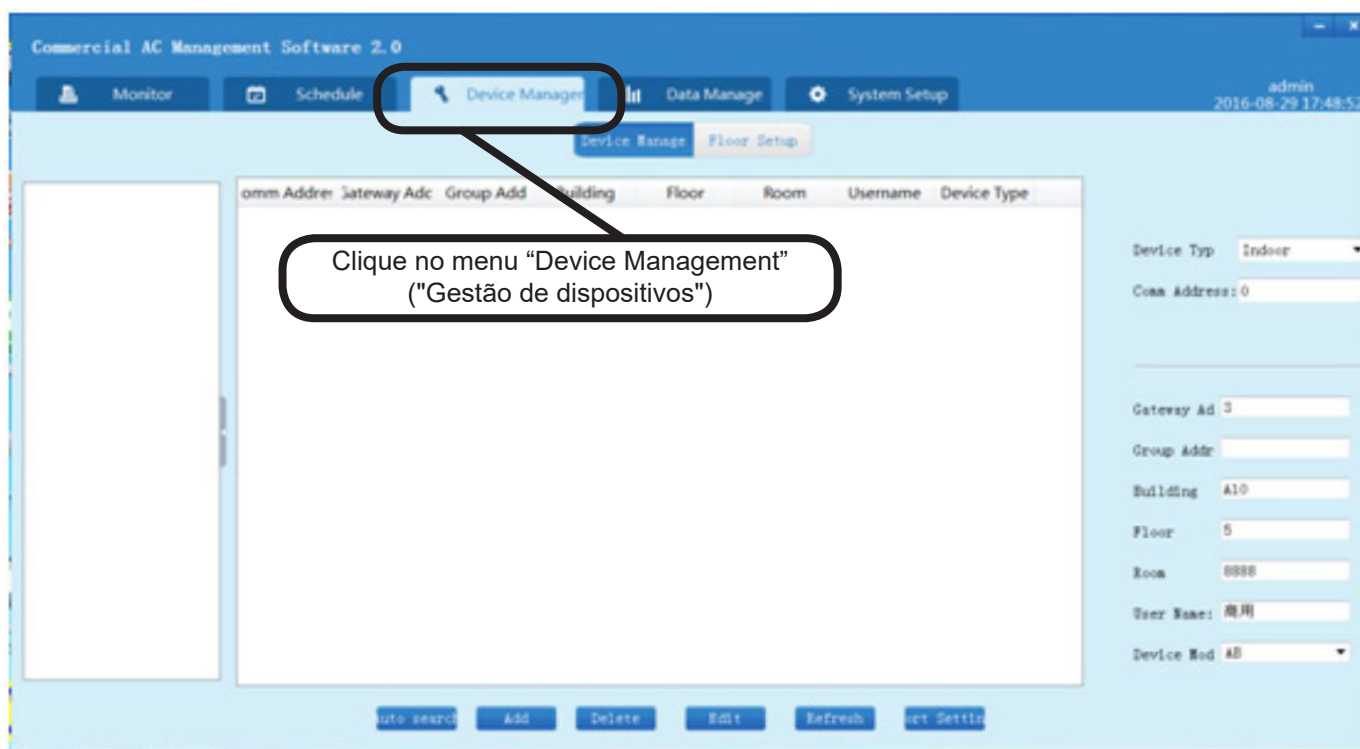
Configuração da porta de comunicação

1. Defina o número da porta de acordo com a porta ligada verificada. Verifique o número da porta real do Gestor de Dispositivos de Gestão Informática.

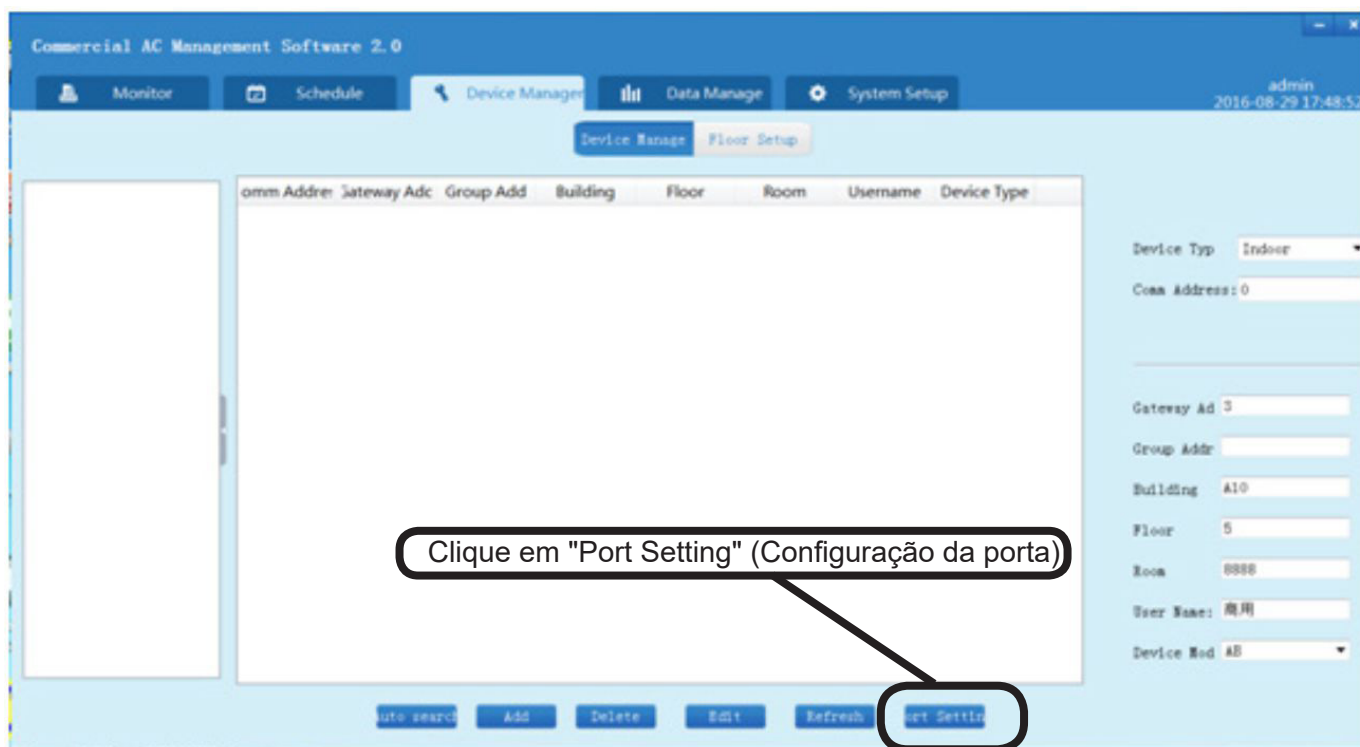


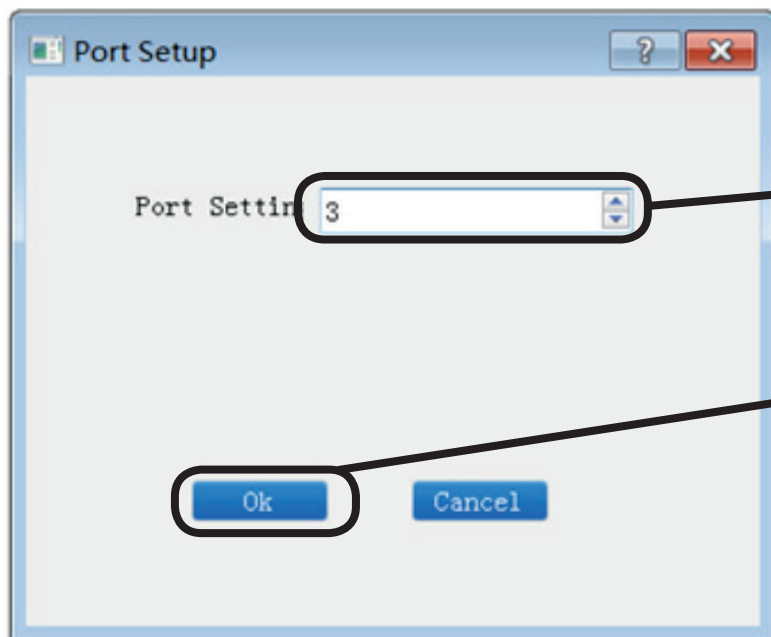
Como mostrado na figura acima, a porta ligada é COM3, pelo que o n.º de porta correspondente será 3.

2. Clique no separador "Device Management" ("Gestão de dispositivos") no menu



3. Clique no separador "Port Setting" (Configuração da porta) no canto inferior direito.

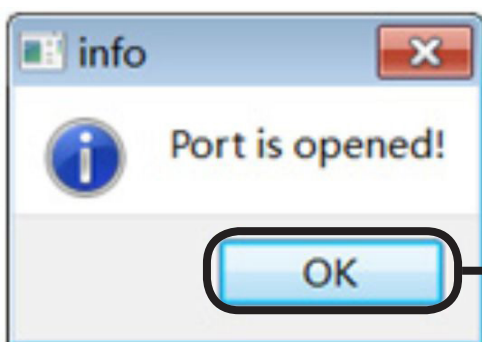




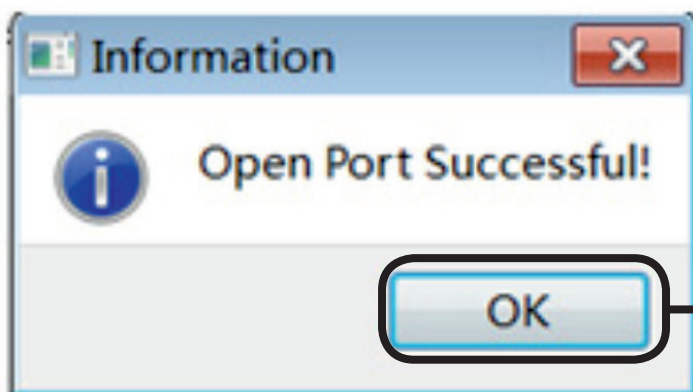
Insira o n.º da porta do computador
Se for COM3, insira o n.º de porta como 3

Prima "OK" para concluir a configuração
e "Cancel" ("Cancelar") para sair da
configuração

4. Introduza o n.º de porta na caixa de diálogo. Por exemplo, se for COM3, insira o n.º "3". Clique em "OK" e irá aparecer uma nova caixa de diálogo a indicar que a porta de série está aberta. Clique em "OK" e depois de 3s, surgirá outra caixa de diálogo a indicar que a porta de série foi aberta com êxito. Clique em "OK" para concluir a configuração.

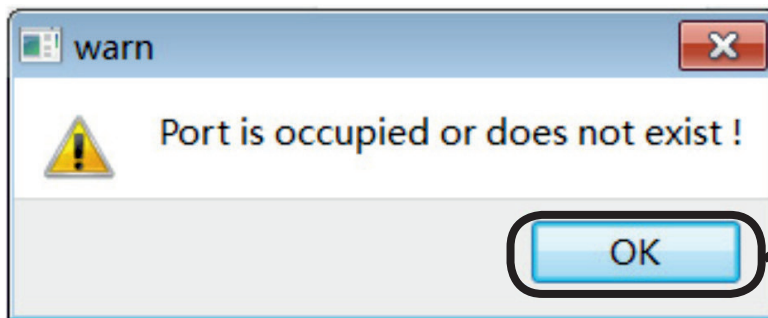


Clique em "OK". Depois de a
janela desaparecer, aguarde.



Clique em "OK". Assim que a
janela desaparecer, continue
para entrar em funcionamento.

5. Se a configuração da porta estiver incorreta, surgirá um aviso "Port is occupied or does not exist" ("A porta está ocupada ou não existe"). Volte a configurá-la.

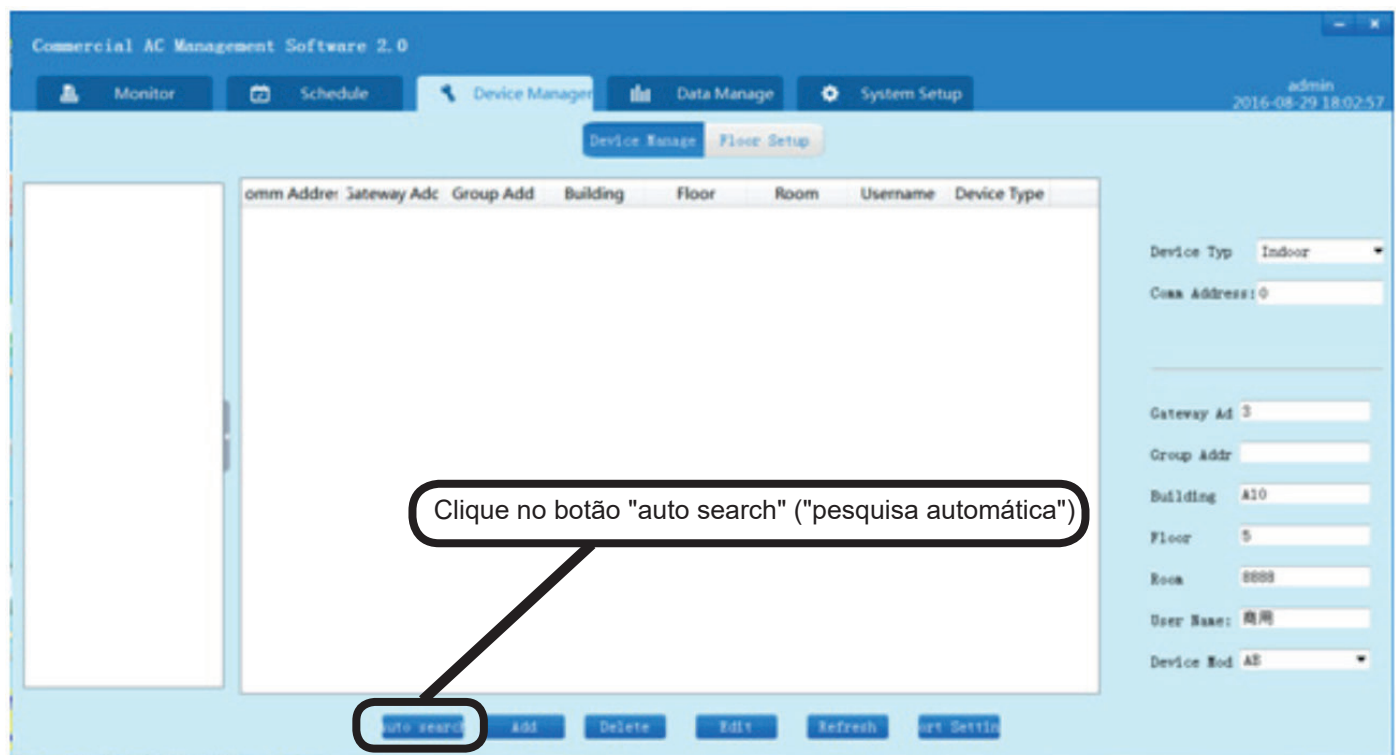


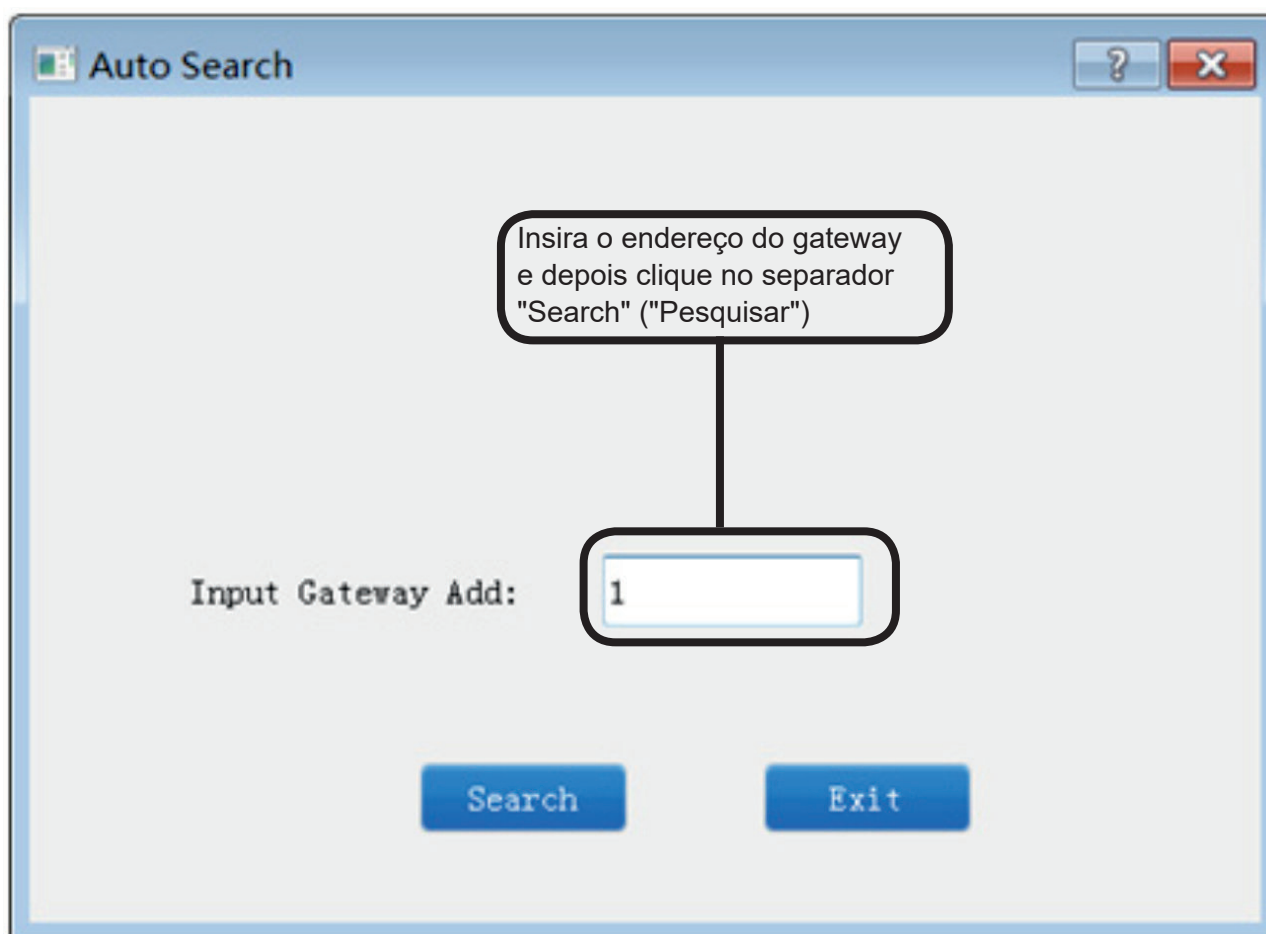
Clique em "OK" para repor a porta. Primeiro, verifique se o n.º da porta está correto. Reinicie o computador quando utilizar a ferramenta de porta de série pela primeira vez.

Adicionar/eliminar dispositivo

1. Adicionar dispositivo através de pesquisa automática

(a) Clique no separador "Auto Search" ("Pesquisa Automática").



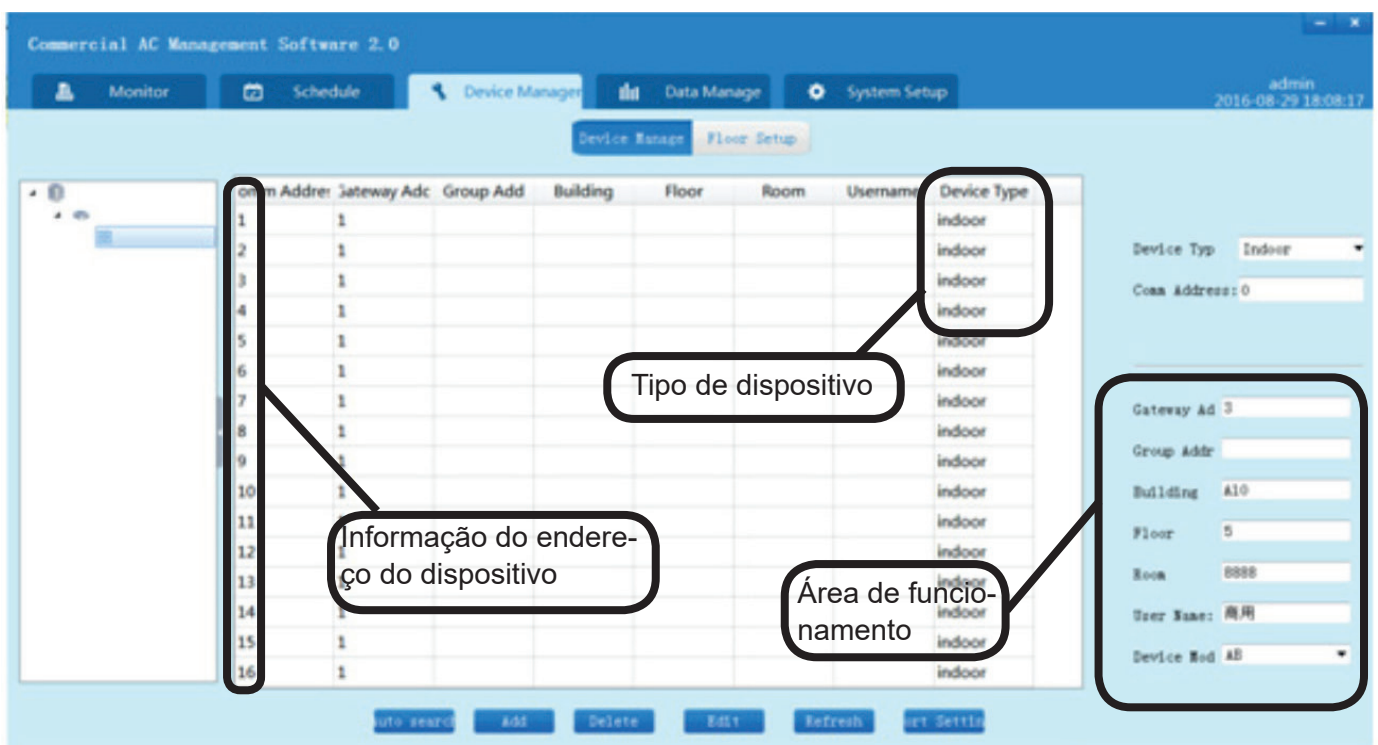


(b) Conversor de entrada- insira o endereço do gateway (de 0 a 31) na caixa de diálogo apresentada e depois clique em "Search" ("Pesquisar").

Depois de concluir a pesquisa, irá aparecer a mensagem "Search OK!" ("Pesquisa OK!"). Clique em "Exit" ("Sair") para fechar a caixa de diálogo.

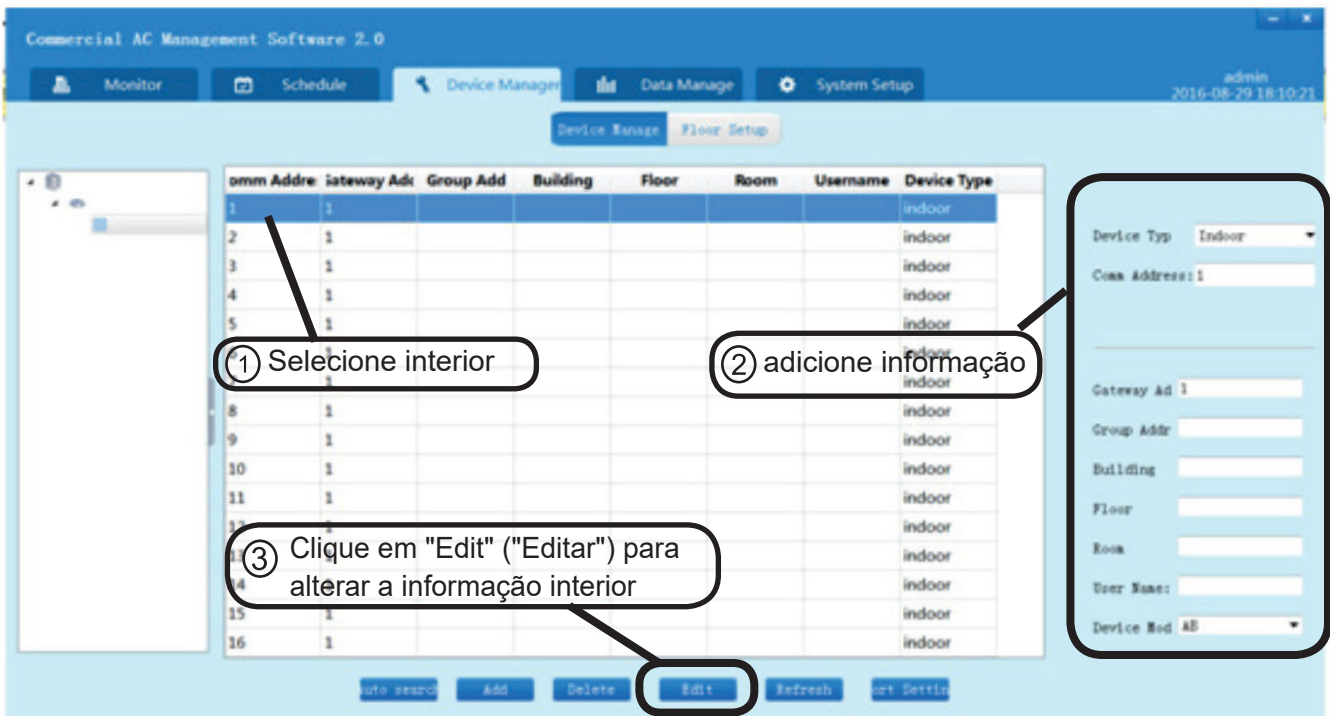


(c) A informação interior pesquisada apresentada na lista de gestão de dispositivos é: Endereço de comunicações, endereço de gateway e tipo de dispositivo. Outras informações precisam de ser adicionadas da lista no lado direito da página.



(d) Adicionar informação interior.

Clique no interior que precisa de adicionar informação da lista de dispositivos.



The form contains the following fields and callouts:

- Device Typ:** Indoor (dropdown). Callout: Ao adicionar manualmente um novo dispositivo, coloque o modelo/endereço interior/endereço de gateway por si próprio. Ao alterar a informação do dispositivo existente, o endereço interior e o endereço do gateway não podem ser alterados.
- Comm Address:** 1 (text input).
- Gateway Ad:** 1 (text input).
- Group Addr:** 0 (text input). Callout: Se isto estiver vazio ou apresentar 0, indica que se trata de um interior principal em controlo de grupo com fios, enquanto 1-15 são endereços escravos. Não pode controlar os interiores escravos.
- Building:** A10 (text input). Callout: Localização CA definida pelo utilizador
- Floor:** 5 (text input).
- Room:** 511 (text input).
- User Name:** TEST (text input). Callout: Nome CA definido pelo utilizador
- Device Mod:** AB (dropdown). Callout: Modelo interior (conduta, parede, cassete, convertível)

Adicionar informação interior:

Endereço de grupo: quando utiliza o controlador com fios para controlar mais do que uma unidade interior, o endereço principal é 0 e os endereços escravos são de 1 a 15.

Edifício: O edifício onde instalar a unidade interior.

Piso: Piso específico onde instalar a unidade interior.

Divisão: Em que divisão se encontra instalada a unidade interior.

Nome do utilizador: o utilizador do interior.

Modelo: modelo do interior: AB: Cassete; CA: Convertível; AD: conduta; AS: Parede

(e) Clique em "Edit" ("Editar") para adicionar a informação. Irá atualizar a informação sobre o interior na lista de interiores. A informação relevante sobre o edifício, piso e divisão estará visível no lado esquerdo do ecrã.

Commercial AC Management Software 2.0

Monitor Schedule Device Manager Data Manage System Setup

admin 2016-11-18 13:26:18

Device Manage Floor Setup

Comm Addr	Gateway Adc	Group Addr	Building	Floor	Room	Username	Device Type
0	1						indoor
2	1						indoor
3	1						indoor
4	1						indoor
5	1						indoor
6	1						indoor
7	1						indoor
13	1						indoor
14	1						indoor
15	1						indoor
16	1						indoor

O edifício, piso e sala recentemente acrescentados serão apresentados na lista da esquerda

A unidade interior editada irá desaparecer da lista atual

Device Type: Indoor

Comm Address: 8

Gateway Ad 1

Group Addr

Building

Floor

Room

User Name:

Device Mod AB

Auto search Add Delete Edit Refresh Sort Setting

Commercial AC Management Software 2.0

Monitor Schedule Device Manager Data Manage System Setup

admin 2016-11-18 13:27:02

Device Manage Floor Setup

Comm Addr	Gateway Adc	Group Addr	Building	Floor	Room	Username	Device Type
1	1	0	A10	5	511	TEST	indoor

Clique no ícone novo de edifício/piso/divisão e serão apresentados todos os dispositivos relevantes na lista atual.

Device Type: Indoor

Comm Address: 1

Gateway Ad 1

Group Addr 0

Building A10

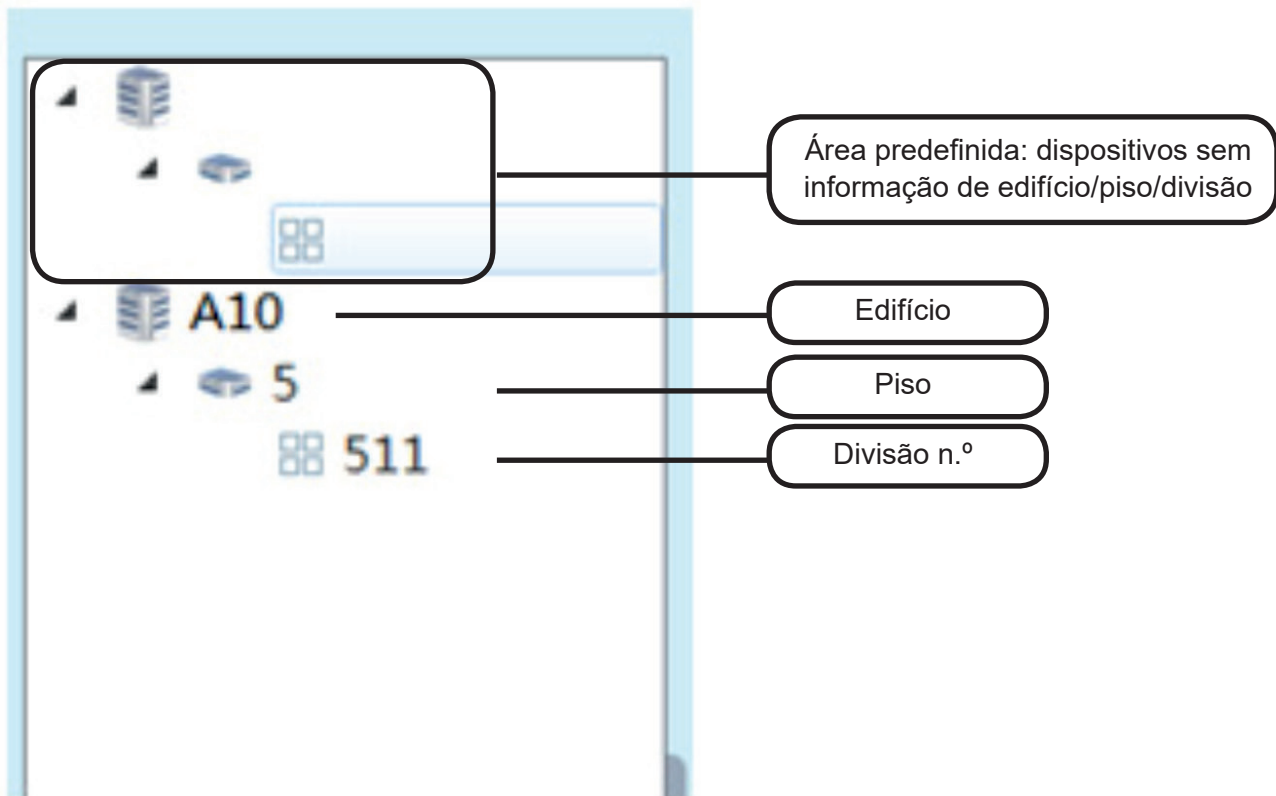
Floor 5

Room 511

User Name: TEST

Device Mod AB

Auto search Add Delete Edit Refresh Sort Setting



2. Adicionar manualmente

Commercial AC Management Software 2.0

Monitor Schedule Device Manager Data Manage System Setup

admin 2016-11-18 13:27:38

Device Manage Floor Setup

Comm Addr	Gateway Addr	Group Addr	Building	Floor	Room	Username	Device Type
1	1	0	A10	5	511	TEST	indoor

① Introduza o novo dispositivo na lista correta, não deve haver endereços internos ou de gateway repetidos

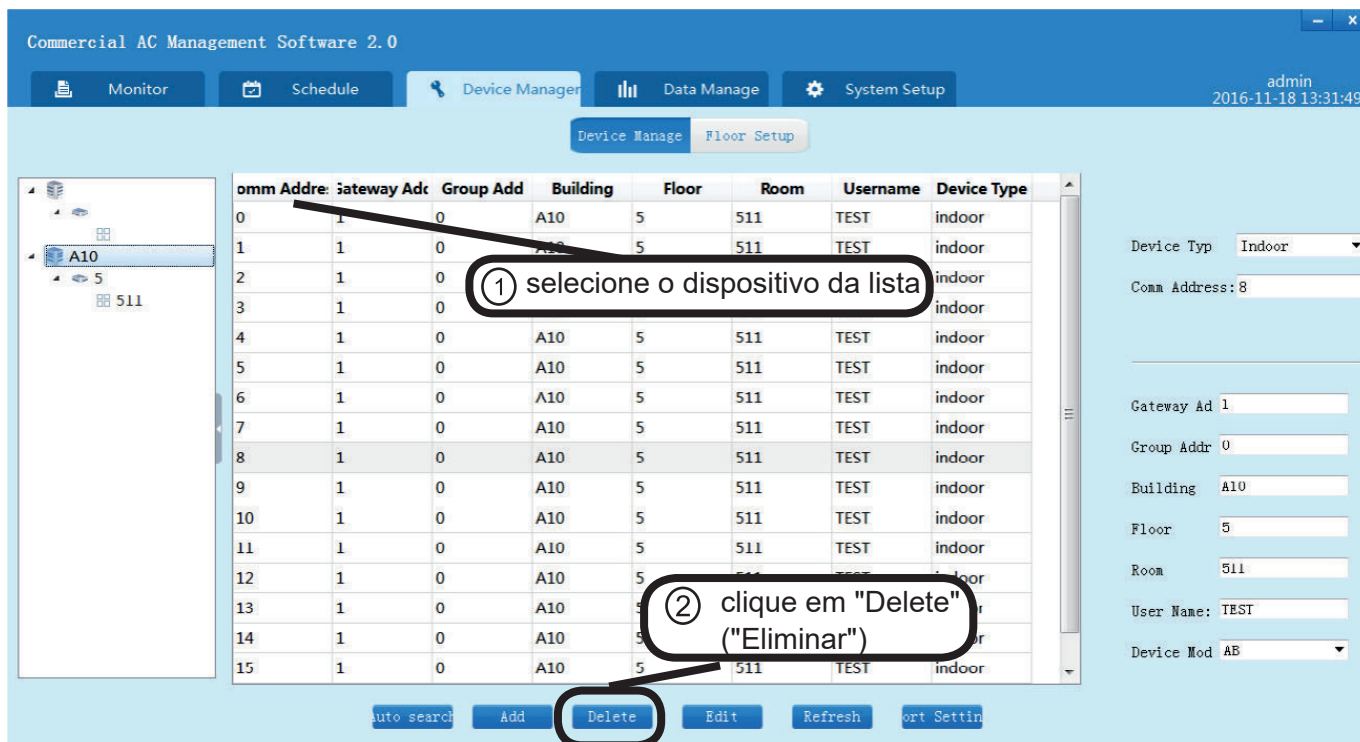
② Depois de introduzir a informação, clique em "Add" ("Adicionar")

Device Typ Indoor
Conn Address: 1
Gateway Ad 1
Group Addr 0
Building A10
Floor 5
Room 511
User Name: TEST
Device Mod AB

Auto search Add Delete Edit Refresh Port Setting

- Adicione a informação interior na lista correta e assegure-se de que não colocamos endereços interiores ou de gateway repetidos.
- Clique em "Add" ("Adicionar") para acabar de adicionar.
- Depois de adicionar, a lista irá apresentar a informação interior recentemente adicionada. Reinicie o software para confirmar a configuração.

3. Eliminar dispositivo



- Selecione o dispositivo de eliminação pretendido da lista.
- Clique em "Delete" ("Eliminar") para acabar de eliminar.

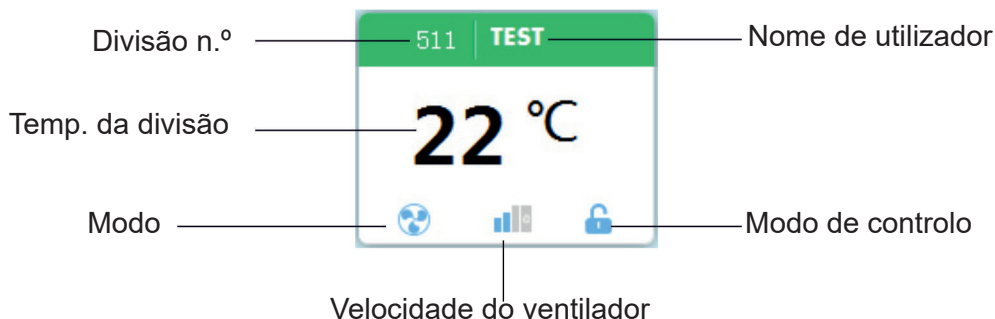
Monitorização de dispositivos

Depois de adicionar o dispositivo, clique em "Monitor" ("Monitorizar") para monitorizar o interior.

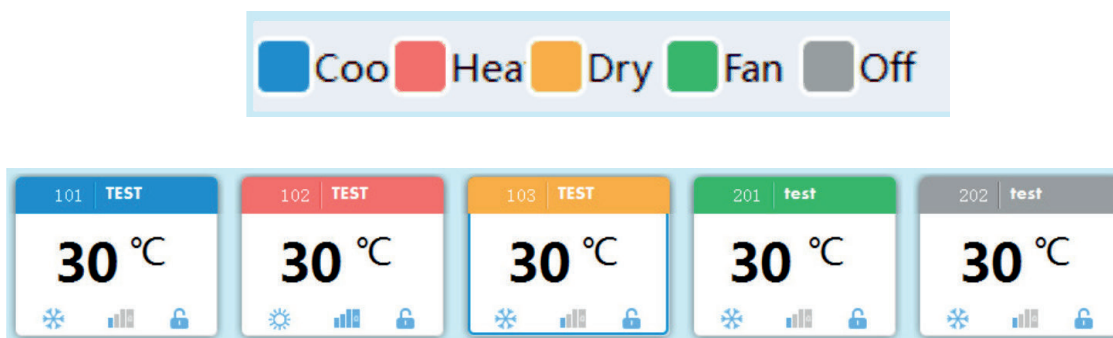


1. Condição de funcionamento do interior

Cada ícone mostra o estado atual do interior, conforme mostrado na imagem seguinte:



(a) Cores diferentes mostram modos diferentes



As condições e modos acima são: arrefecimento, aquecimento, seco, ventilador, desligado.

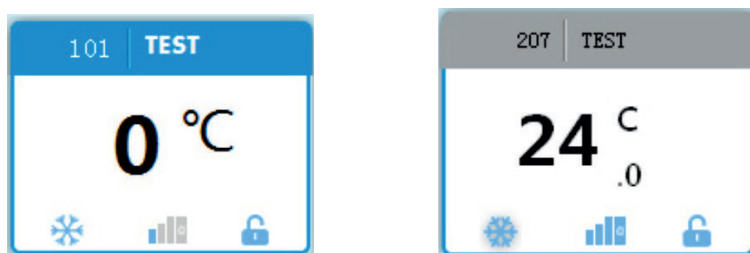
(b) Clique na janela de interiores para selecionar "indoor" ("interior").

Após a seleção, a extremidade da janela será apresentada através de uma linha sólida.

Interior não selecionado (em modo LIGADO), Interior não selecionado (em modo DESLIGADO).

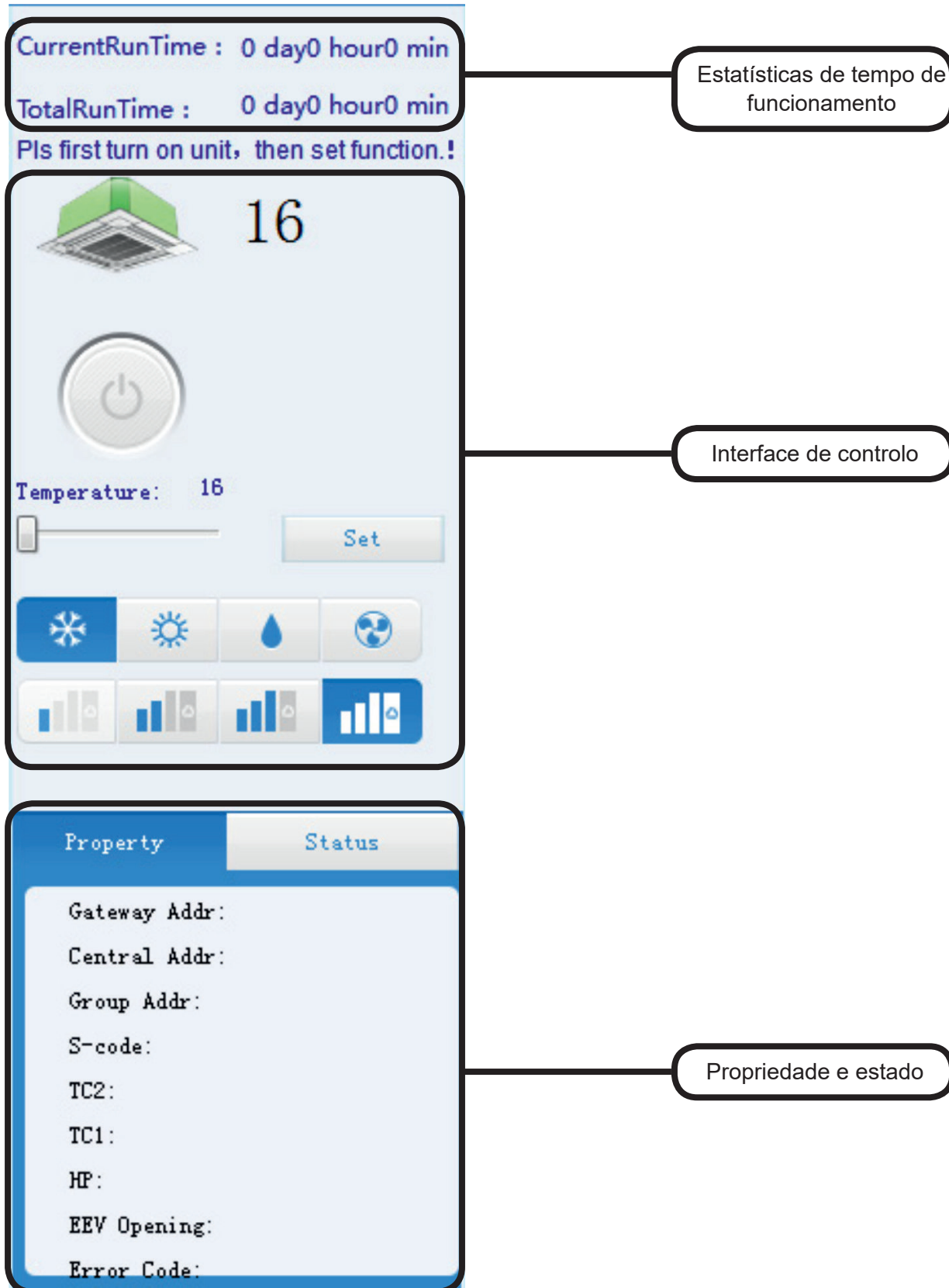


Interior selecionado (em modo LIGADO), Interior selecionado (em modo DESLIGADO)



2. Condição detalhada do interior

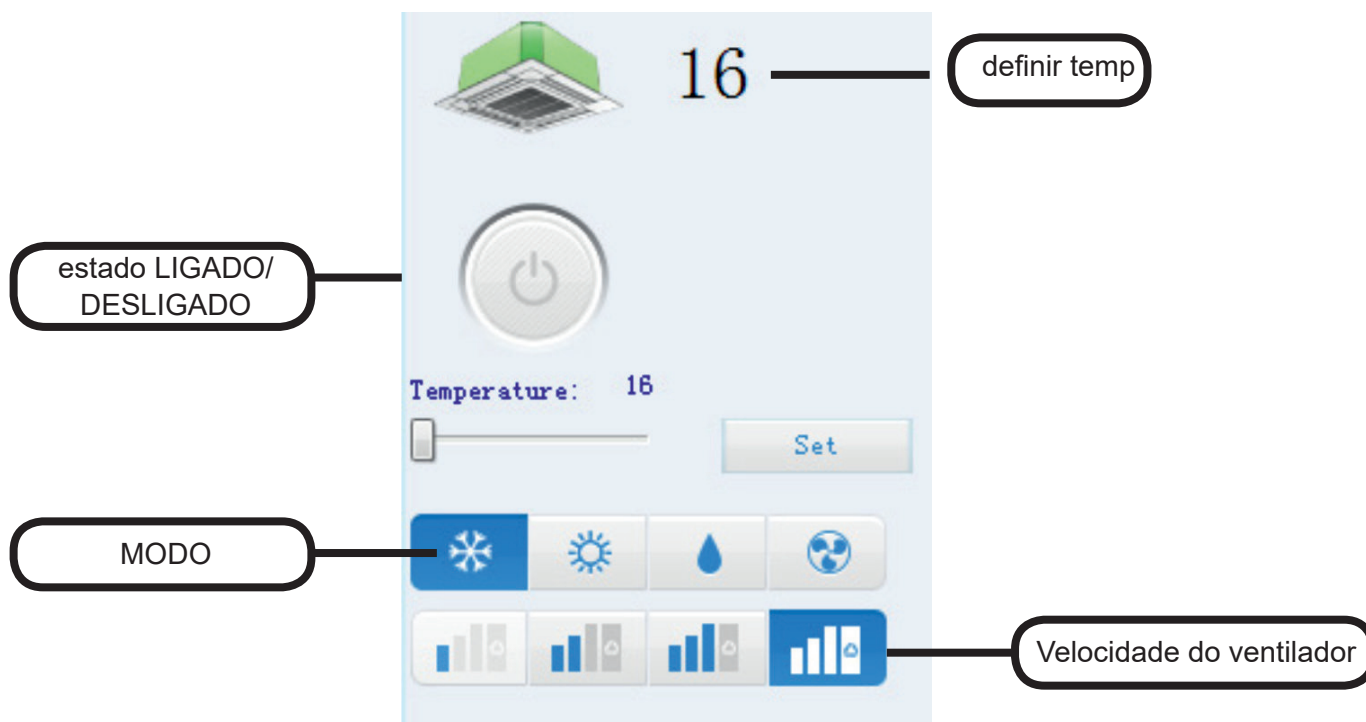
Ligue a unidade, depois defina a função



3. Controlo do interior

(a) Controlo de unidade única

Depois de seleccionar um interior, pode ver toda a informação de configuração do interior à direita e operar o controlo interior a partir daí.

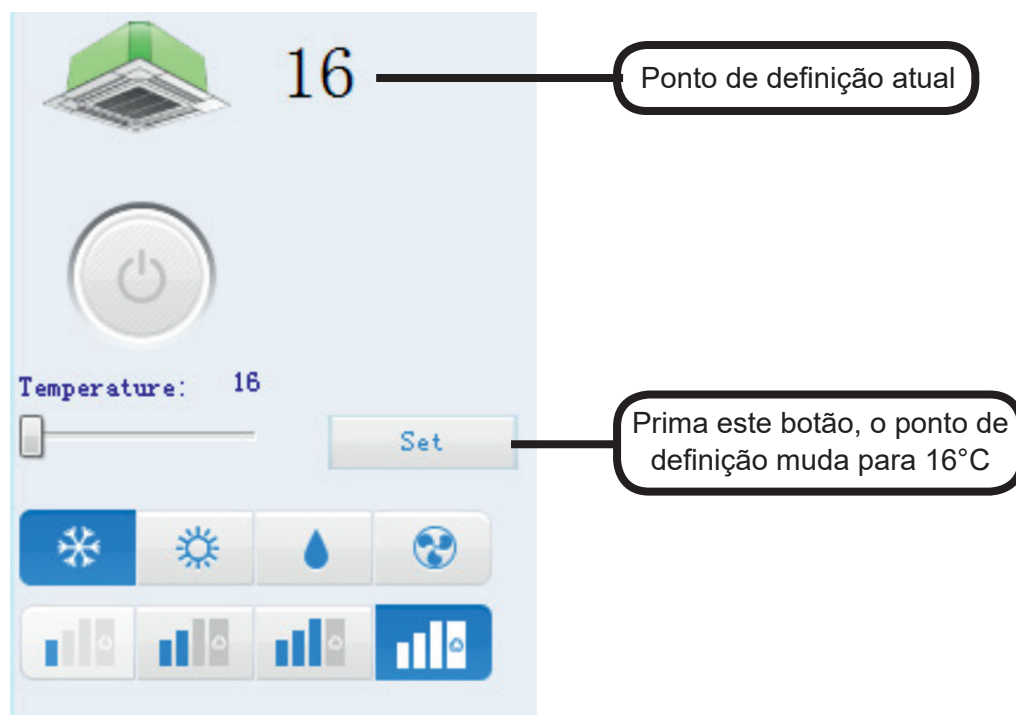


Uma explicação detalhada de cada botão.

Botão	Explicação
	LIGADO
	DESLIGADO
	ARREFECIMENTO
	AQUECIMENTO
	SECO
	VENTILADOR

Botão	Explicação
	BAIXA
	INTERMÉDIA
	ALTA
	AUTOMÁTICA
	DEFINIR TEMPERATURA

Se o estado da unidade interior abaixo estiver LIGADO, a temp. definida é de 24°C, arrefecimento, baixa velocidade. Prima o botão "Set" ("Definir") para alterar o ponto de definição para 16°C.

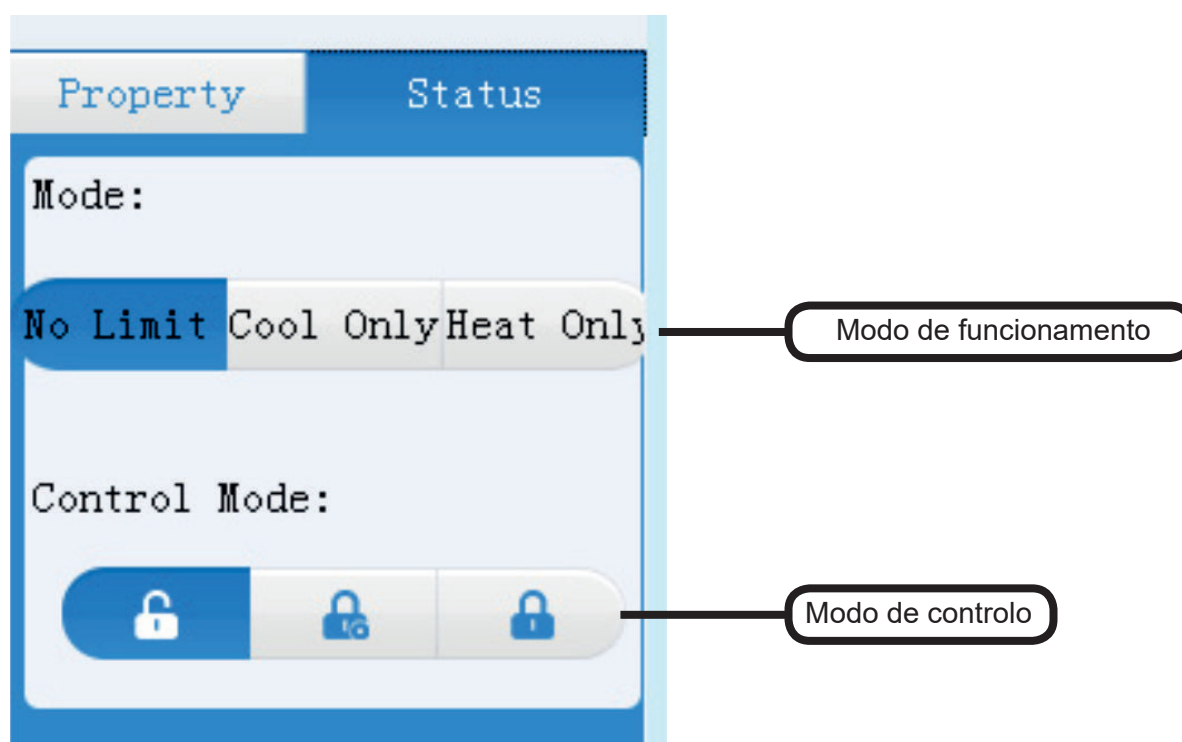


(b). Modo de funcionamento/Modo de controlo

Apresenta o modo de funcionamento e o modo de controlo por baixo da etiqueta "status" ("estado")

Modo de funcionamento: Sem limite, Apenas arrefecimento, Apenas aquecimento;


Modo de controlo: Último a entrar primeiro a sair, controlo central, Bloquear;




Modo de funcionamento:


Sem limite: Todo o modo de funcionamento está disponível

Apenas arrefecimento: O interior só pode funcionar em modo de arrefecimento. "Não permite nenhum outro modo."

Apenas aquecimento: O interior só pode funcionar em modo de aquecimento. Não permite nenhum outro modo. Último a entrar primeiro a sair : Executa a última ordem de entrada independentemente da sua proveniência.

40VCB117FQEE, controlador com fios ou controlador remoto: por exemplo, inicialmente 40VCB117FQEE envia baixa velocidade, depois o controlador com fios envia alta velocidade, finalmente a unidade começa a funcionar a alta velocidade.

Controlo central : Apenas disponível com 40VCB117FQEE. O controlador com fios ou o controlador remoto só podem ligar ou desligar a unidade interior.

Bloquear : Todas as ordens são enviadas apenas por 40VCB117FQEE. O controlador com fios ou o controlador remoto só podem exibir a condição de funcionamento.

(c) Controlo de várias unidades interiores: Para controlar várias unidades interiores, siga os passos listados abaixo:

- Prima o botão "Ctrl" e clique na unidade interior que deseja controlar
- Prima o botão LIGADO/DESLIGADO para ligar/desligar a unidade interior,
- Arraste o elemento deslizante para definir a temperatura
- Clique na velocidade do ventilador que pretende definir;
- Clique no modo de funcionamento que pretende definir;



Commercial AC Management Software 2.0

Monitor | Schedule | Device Manager | Data Manage | System Setup

admin 2016-12-08 13:58:03

CurrentRunTime : 0day 0hour 0min
TotalRunTime : 0day 0hour 0min
Pls first turn on unit, then set function!

Temperature: 16

Property | Status

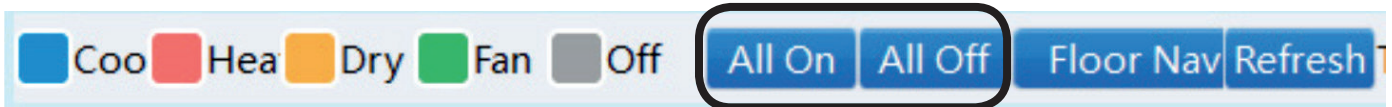
EBV Opening:
Error Code:

Cool Heat Dry Fan Off All On All Off Floor Nav Refresh Total:1 <<1/1 >> Jump to: Page Jump Select All

Prima o botão "Ctrl" e clique na unidade interior que deseja controlar

"Esta área mostra as funções de controlo disponíveis, não o estado de funcionamento detalhado da unidade interior atual"

(d) Tudo ligado/desligado



Prima "All On" ("Tudo ligado") para ligar todas as unidades interiores

Prima "All Off" ("Tudo desligado") para desligar todas as unidades interiores

Configuração do piso

1. Configuração de zonas



Prima "Floor Setup" ("Configuração do piso") para entrar na interface de configuração de zona

Planta atual do piso

Prima na seta para baixo para escolher o desenho do piso.

Prima "Import" ("Importar") e escolha o desenho do piso; o desenho tem de estar em formato PNG


Prima "delete this map" ("apagar este mapa") para apagar o desenho atual

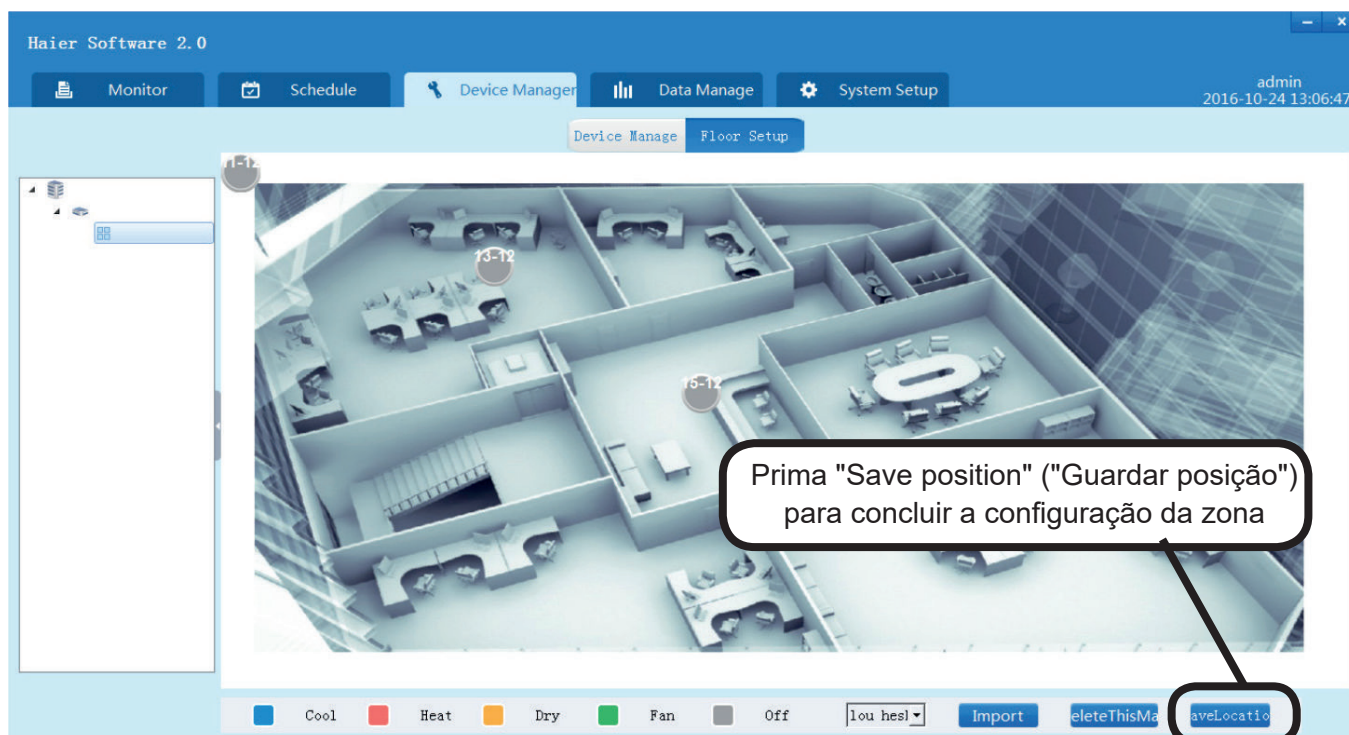
Português



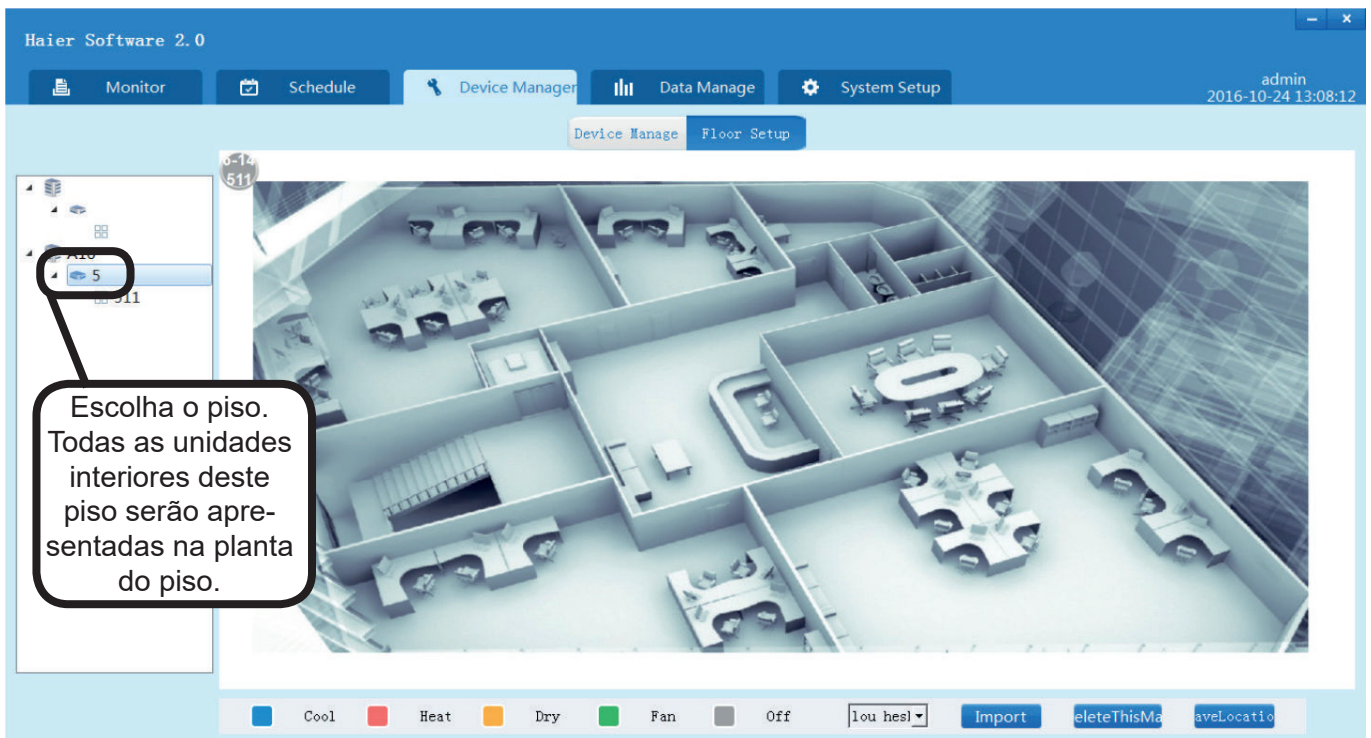
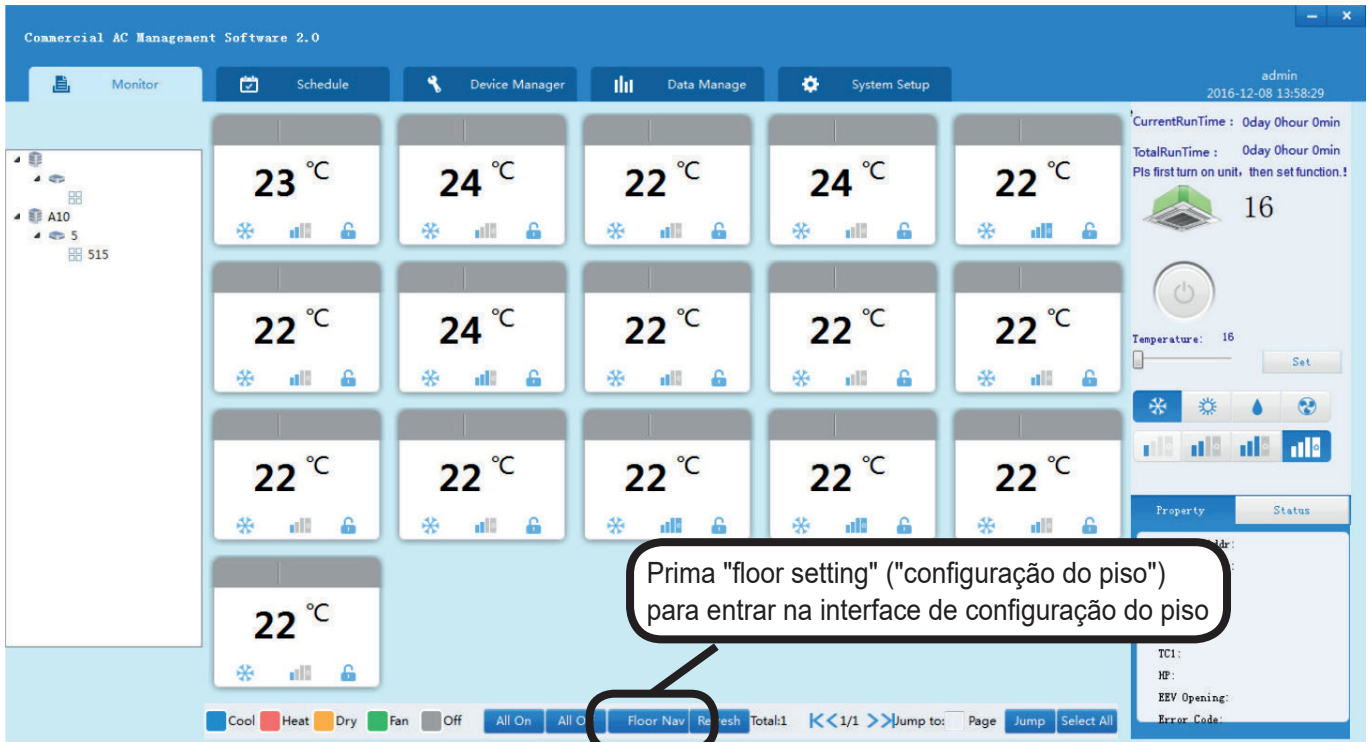
Escolha o piso que pretende configurar

Todas as unidades interiores são apresentadas aqui, arraste a unidade interior para o lugar correspondente.

 : 1-2 representa a unidade interior n.º1 ligada ao 40VCBM17FQEE n.º2. 516 é o número da divisão.



2. Configuração do piso

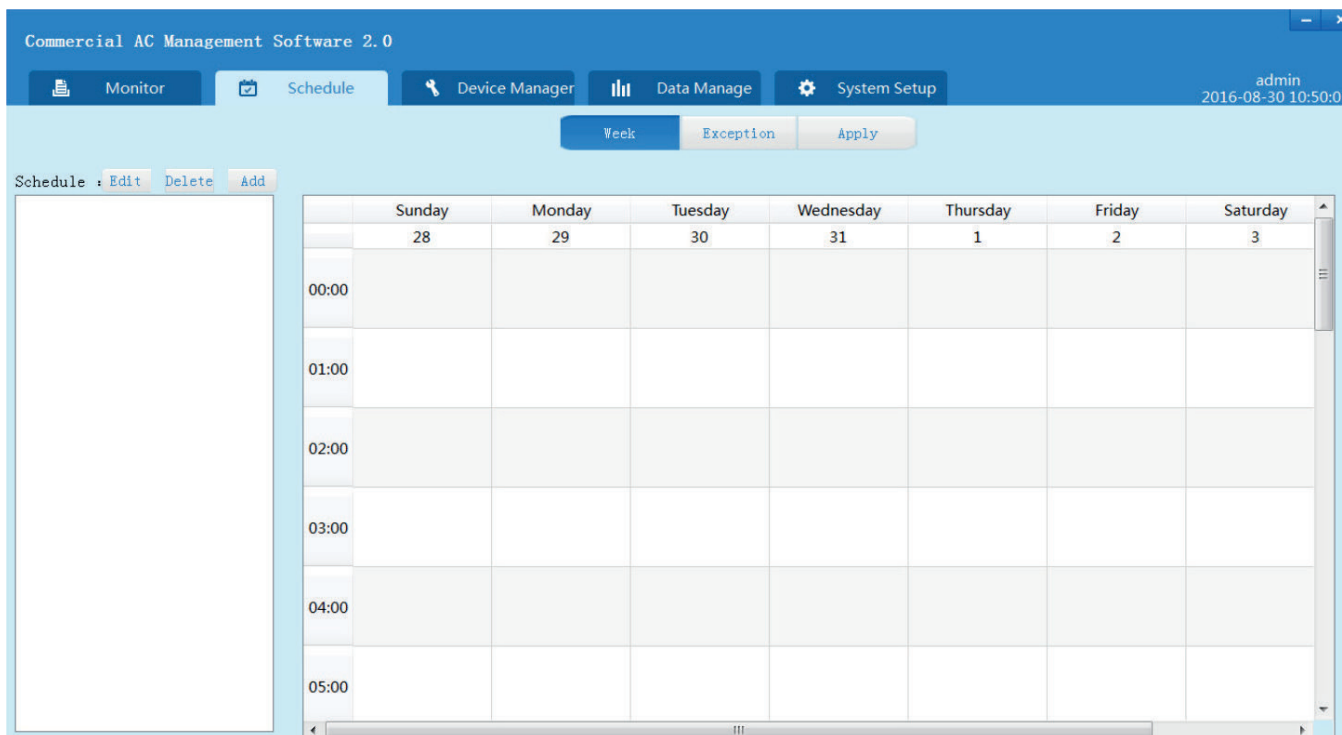


Português

Observação: Podem ser utilizadas plantas diferentes para pisos diferentes.

Configuração de agendamento

Prima o botão "Schedule" ("Agendamento") na página principal para entrar na configuração de agendamento.

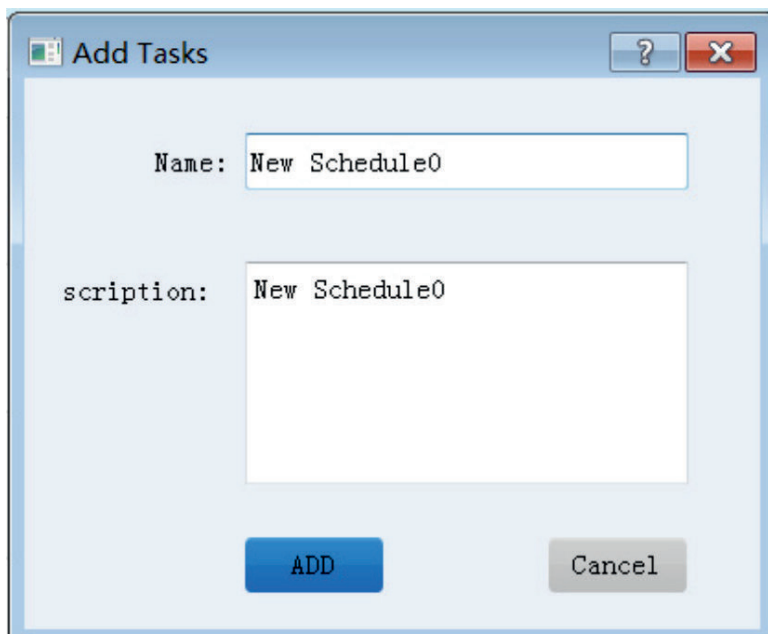


1. Agendamento semanal

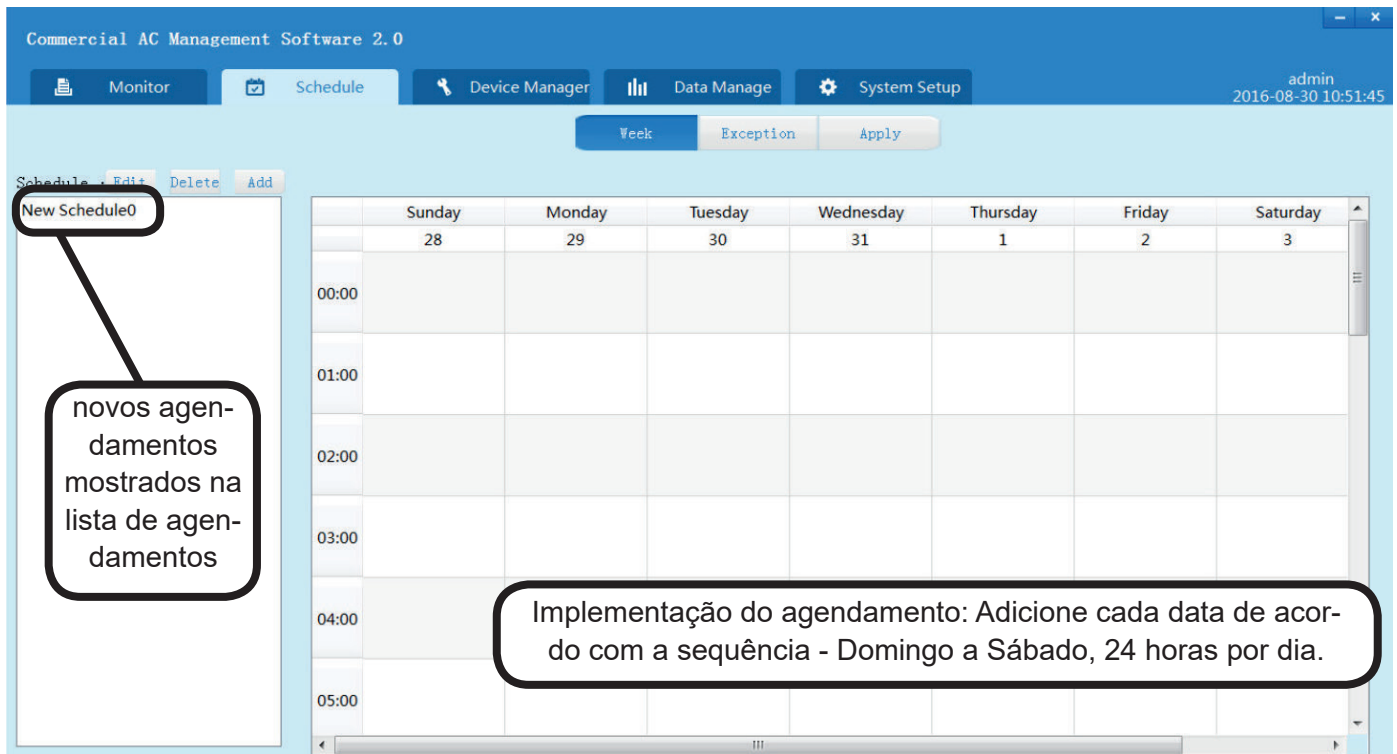
① Prima "Add" ("Adicionar")



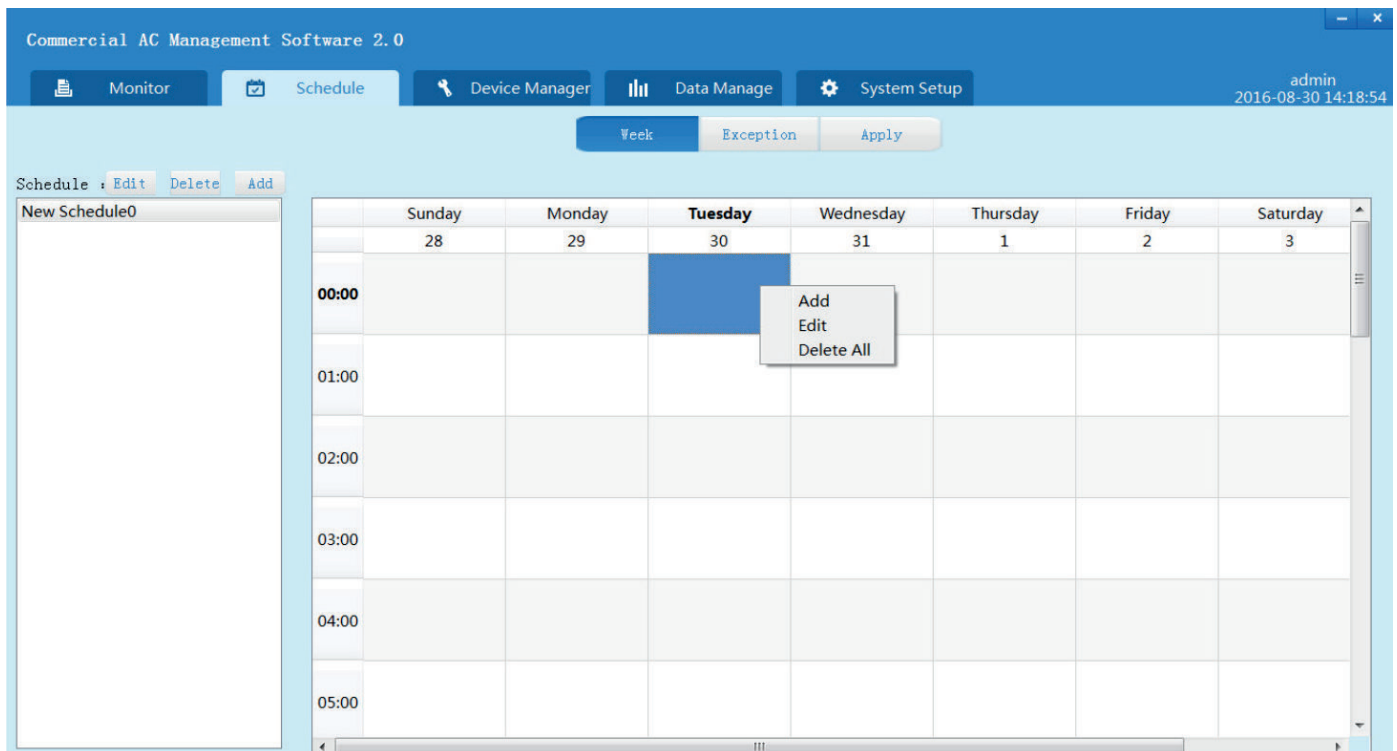
② Surge uma caixa de diálogo, insira o nome do agendamento ou coloque a descrição.



- ③ Prima o botão "ADD" ("ADICIONAR") para criar um novo agendamento;



- ④ Na secção "new schedule" ("novo calendário"), clique com o botão direito do rato em "Implementation schedule area" ("Área de implementação de agendamento"), verá um menu a surgir



- ⑤ Clique em "Add" ("Adicionar") no menu apresentado

Day of Week: Tuesday
Time (24h): 0 : 0
Name: 111
Description: 6666
Power: ON Control Mode: LIFO
Fan Speed: Low Run Mode: Cool
Temperature: 20
Save cancel

Para o tempo padrão correspondente, clique com o botão direito do rato na área, pode alterá-lo manualmente.

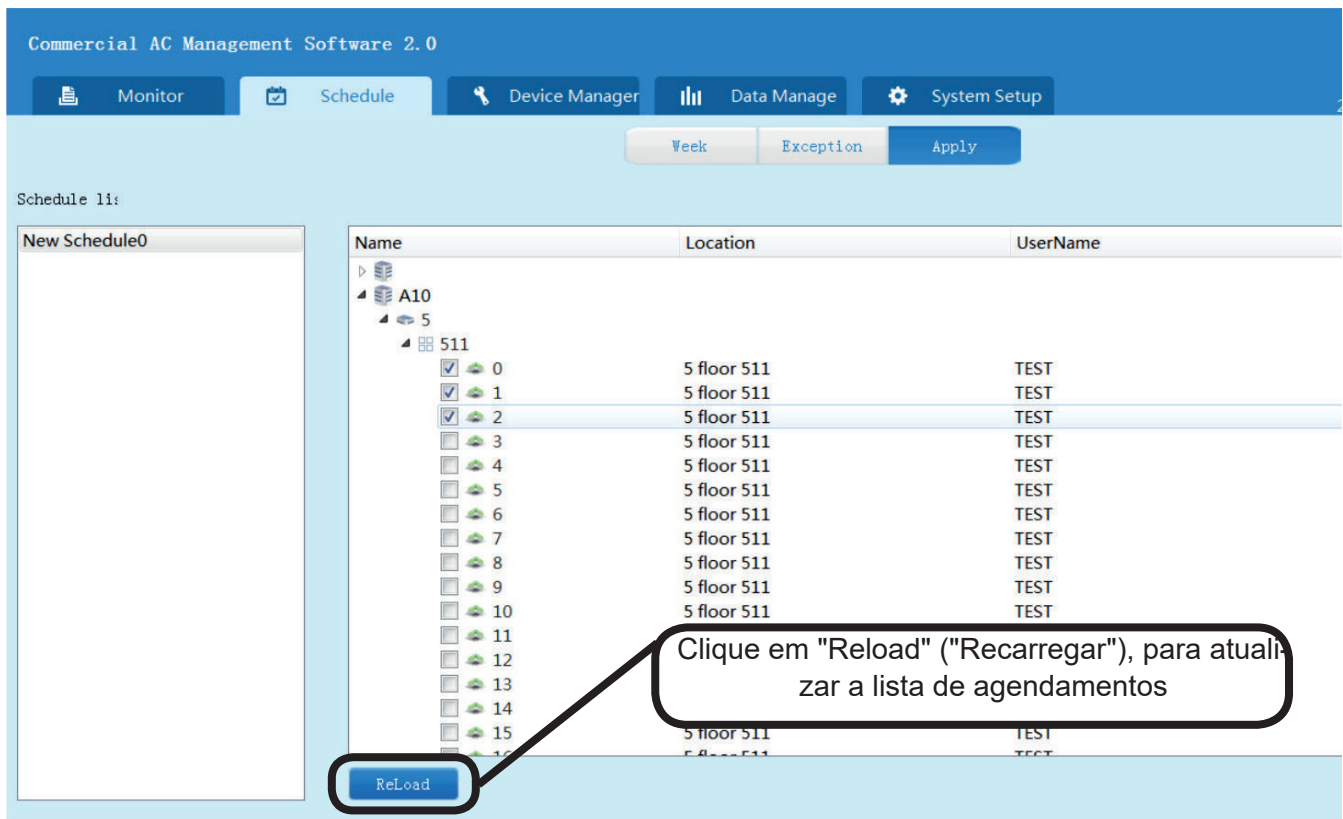
Para configurar o tempo de execução agendado dos interruptores, modelo de controlo, temperatura, velocidade do ventilador, modelo de operação definido, introduza um nome e descrição, configure-o depois de preencher. Em seguida, clique em "save" ("guardar").

	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
	28	29	30	31	1	2	3
00:00			'00:00','111'				
01:00							
02:00							
03:00							
04:00							
05:00							

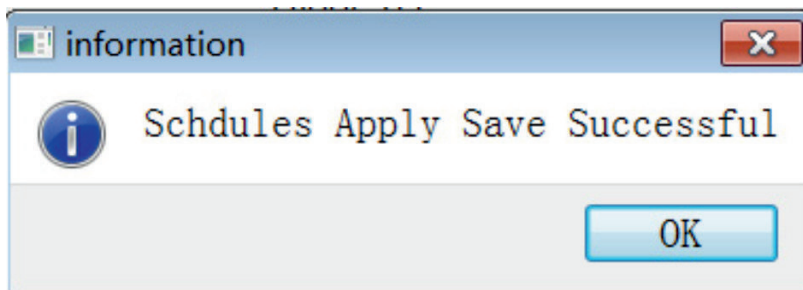
O agendamento recentemente adicionado é apresentado na posição correspondente na lista, incluindo "08:00" como o tempo de execução da ação, "XXXXX" como o nome do agendamento

Depois de voltar à interface de configuração de agendamento, pode ver que a posição temporal correspondente apresenta o tempo de execução e o nome, configurando assim o novo agendamento. Repita esta ação para adicionar agendamentos novos.

⑥ Na interface "Apply" ("Aplicar"), pode seleccionar "Schedule" ("Agendamento") na lista de agendamentos à esquerda e seleccionar a unidade interior na lista do lado direito.



Clique em "Save" ("Guardar") e uma caixa de diálogo será apresentada. Clique em "OK" e as unidades interiores seleccionadas irão executar o agendamento seleccionado. Ao desmarcar o interior e o botão "save" ("guardar") irá cancelar o agendamento.

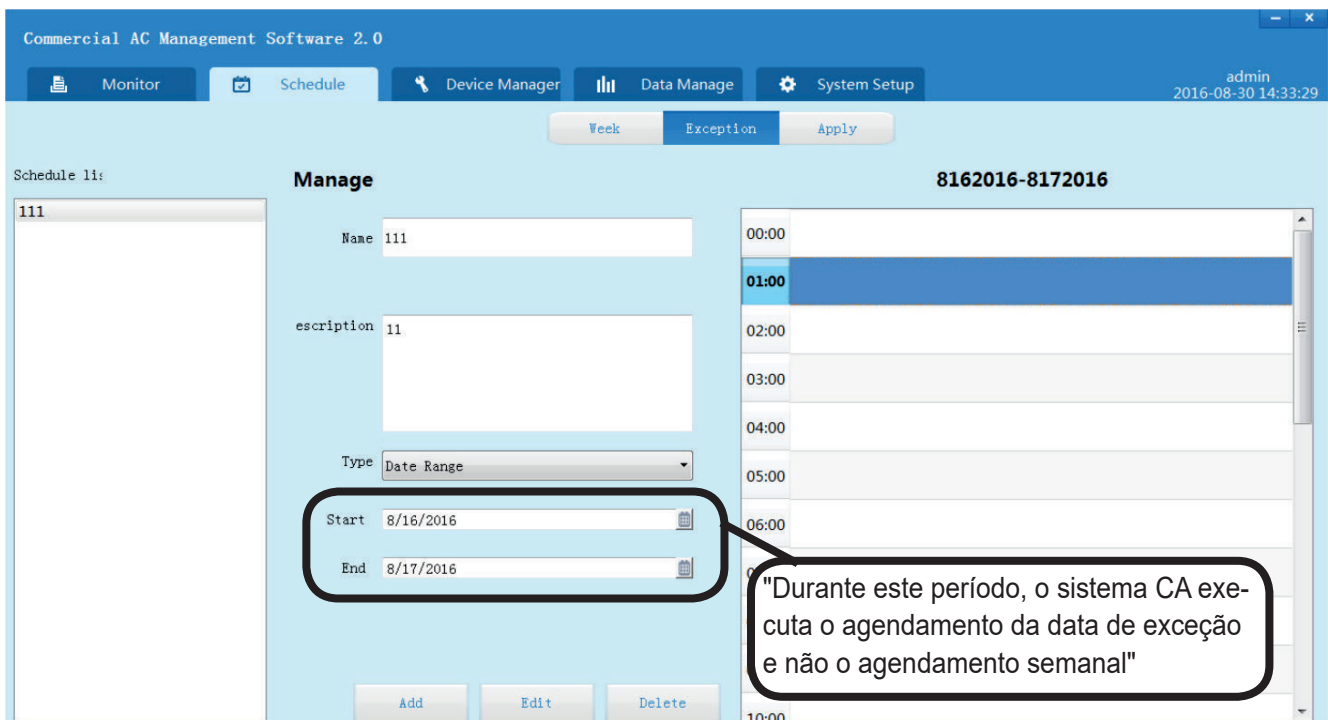


2. Data de exceção

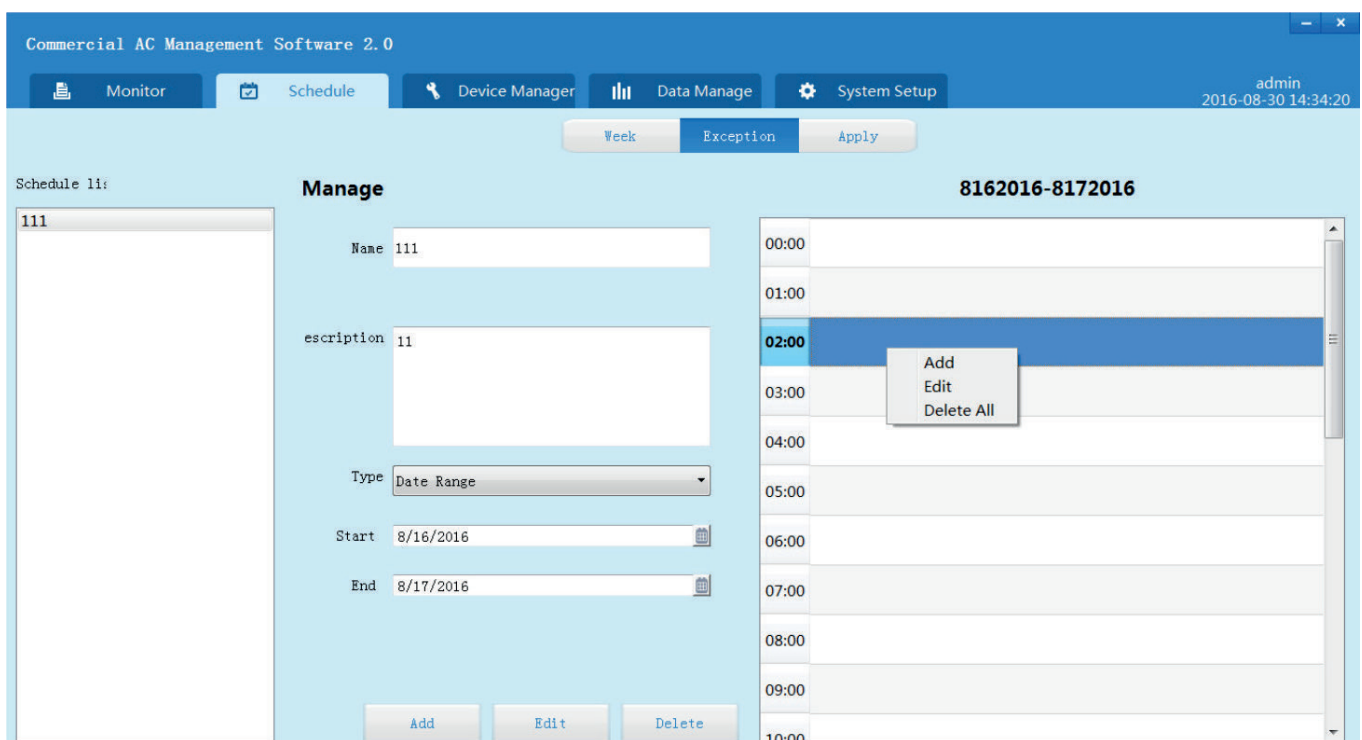
A data de exceção significa que o sistema CA irá executar um agendamento especial que não segue o agendamento semanal já configurado.

Passos:

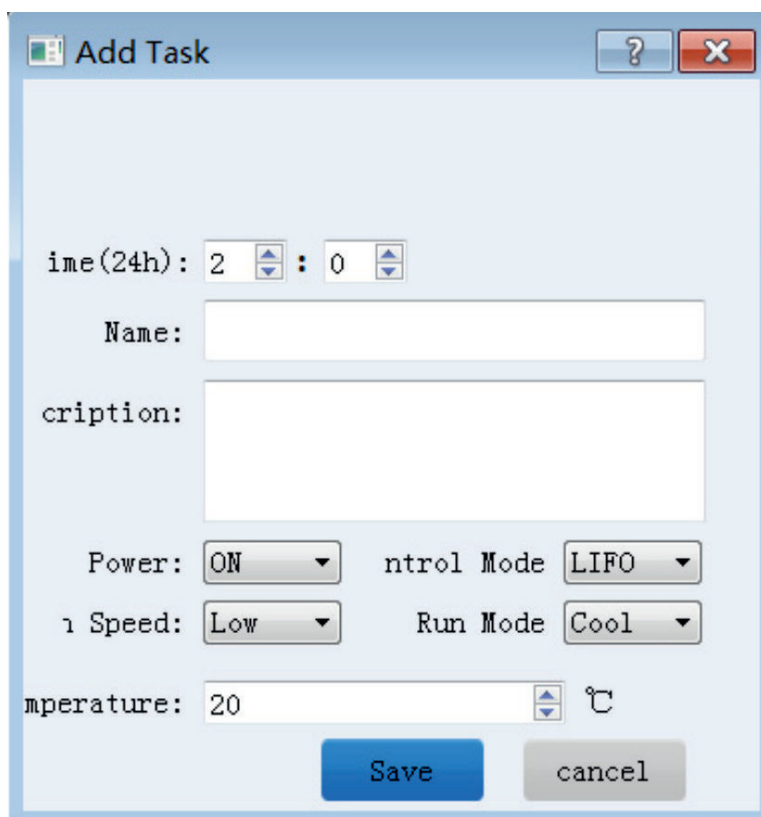
Clique no ícone "Exception" ("Exceção"), introduza o nome e a descrição e selecione o intervalo de tempo da aplicação.



- 1 Clique em "Add" ("Adicionar") para adicionar o agendamento novo. Clique com o botão direito do rato sobre o horário, irá aparecer uma caixa de diálogo.



② Clique em "Add Task" ("Adicionar Tarefa").



Time(24h): 2 : 0

Name:

Description:

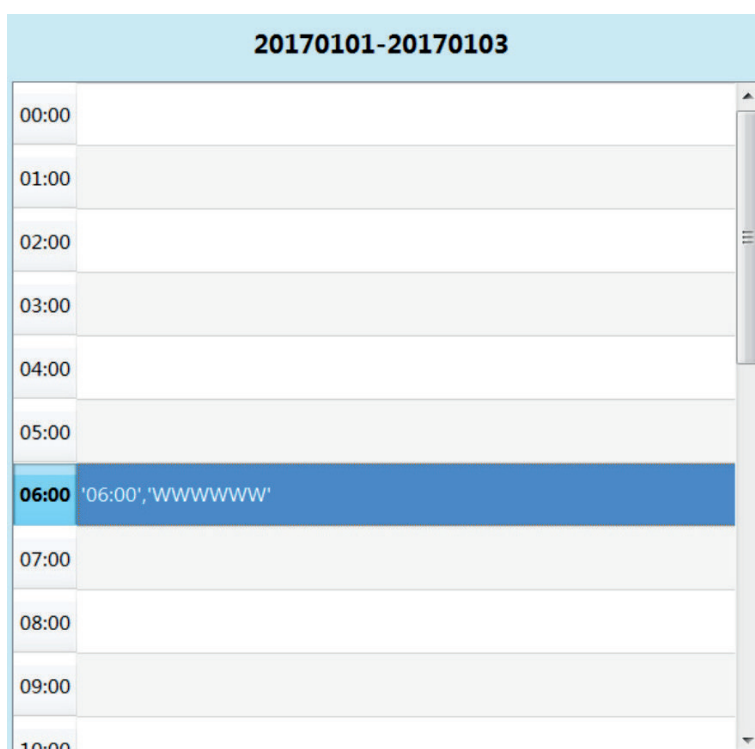
Power: ON Control Mode: LIFO

Fan Speed: Low Run Mode: Cool

Temperature: 20 °C

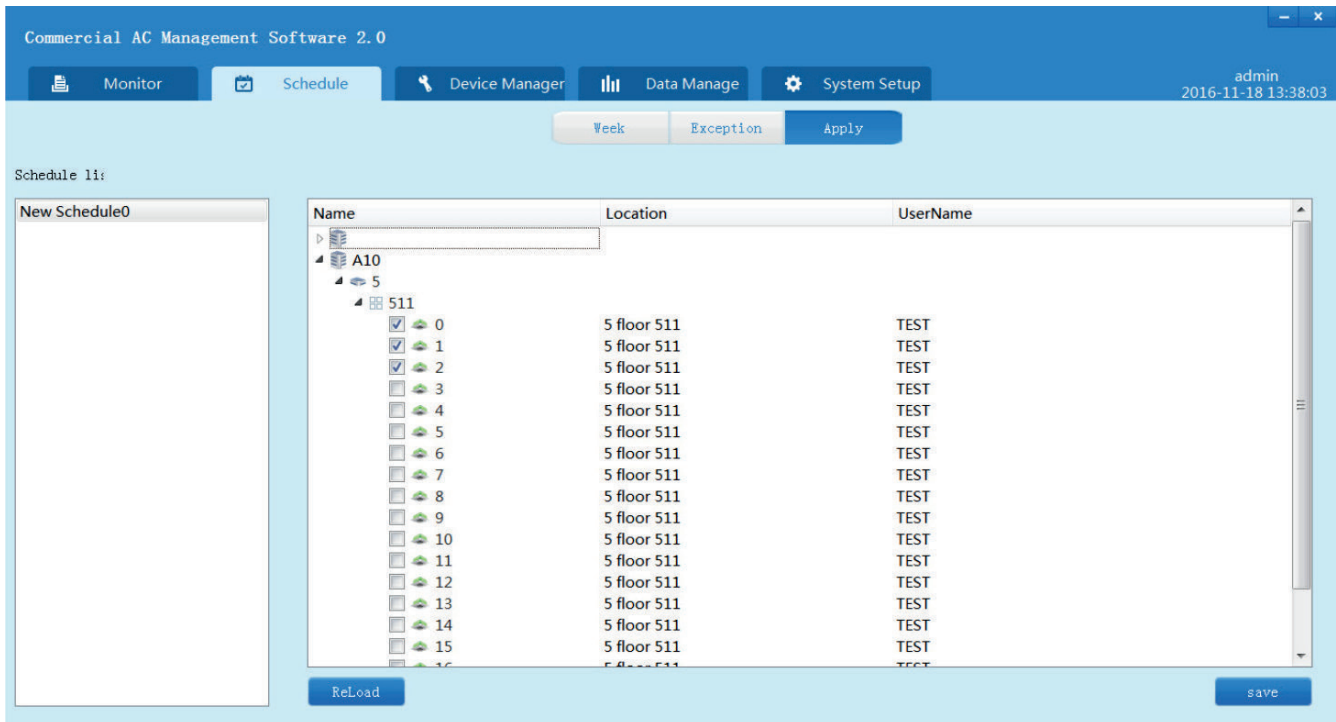
Save cancel

Configure o tempo de execução, Ligado/Desligado, modo de controlo, ventilador, modo de operação, defina a temperatura e o nome e descrição do agendamento. Clique em "Save" ("Guardar") para guardar a configuração. Volte à interface de configuração de agendamento. A posição temporal correspondente apresenta o agendamento novo. Repita esta ação para adicionar agendamentos novos.

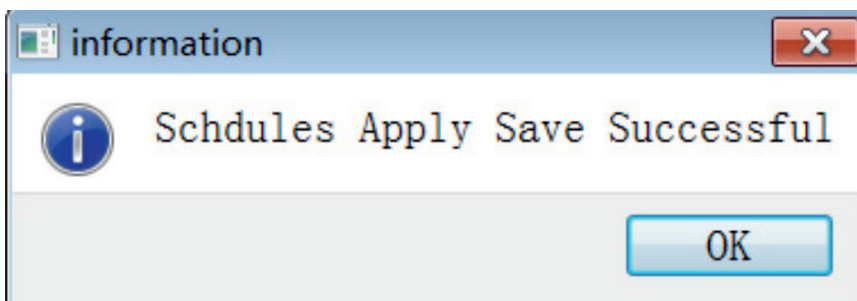


20170101-20170103	
00:00	
01:00	
02:00	
03:00	
04:00	
05:00	
06:00	'06:00', 'WWWWWW'
07:00	
08:00	
09:00	
10:00	

- ③ Na interface "Apply" ("Aplicar"), pode seleccionar o "Schedule" ("Agendamento") na lista de agendamentos à esquerda e seleccionar a unidade interior na lista do lado direito.



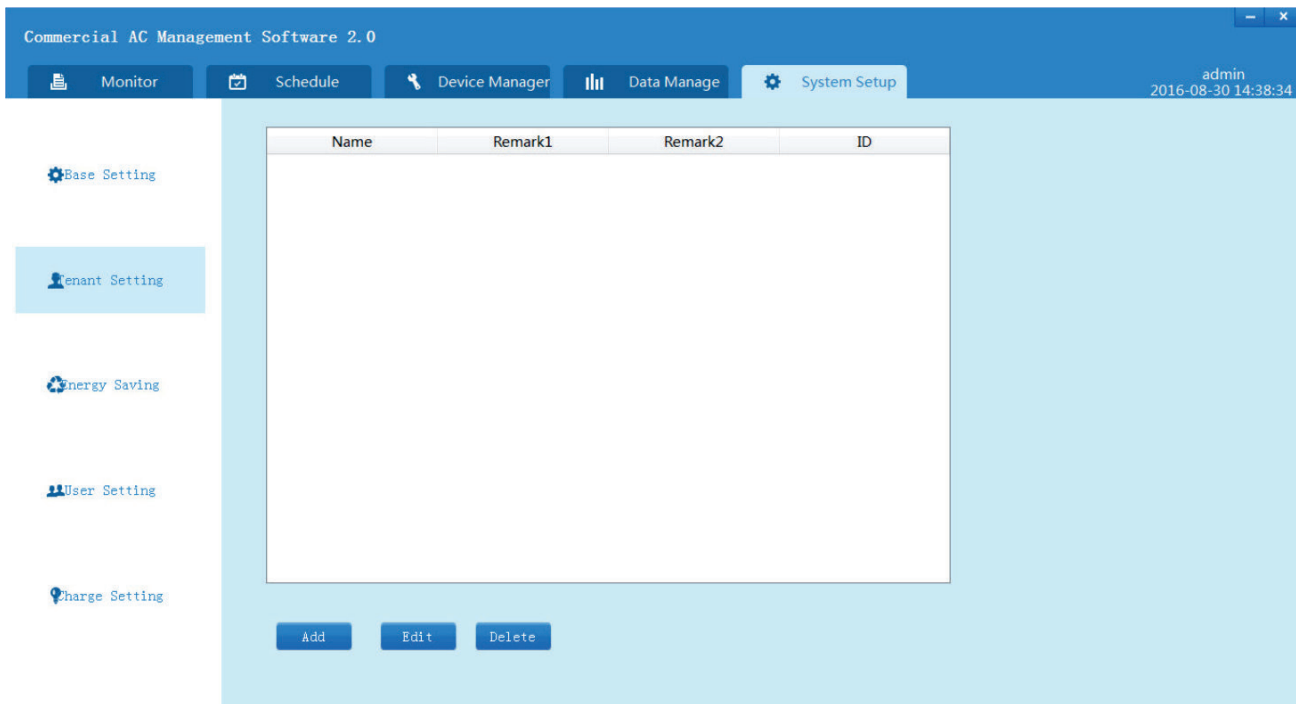
Clique em "Save" ("Guardar"), fazendo com que apareça uma caixa de diálogo. Clique em "OK" e as unidades interiores seleccionadas irão executar o agendamento seleccionado. Ao desmarcar a caixa do interior e "save" ("guardar") irá cancelar o agendamento.



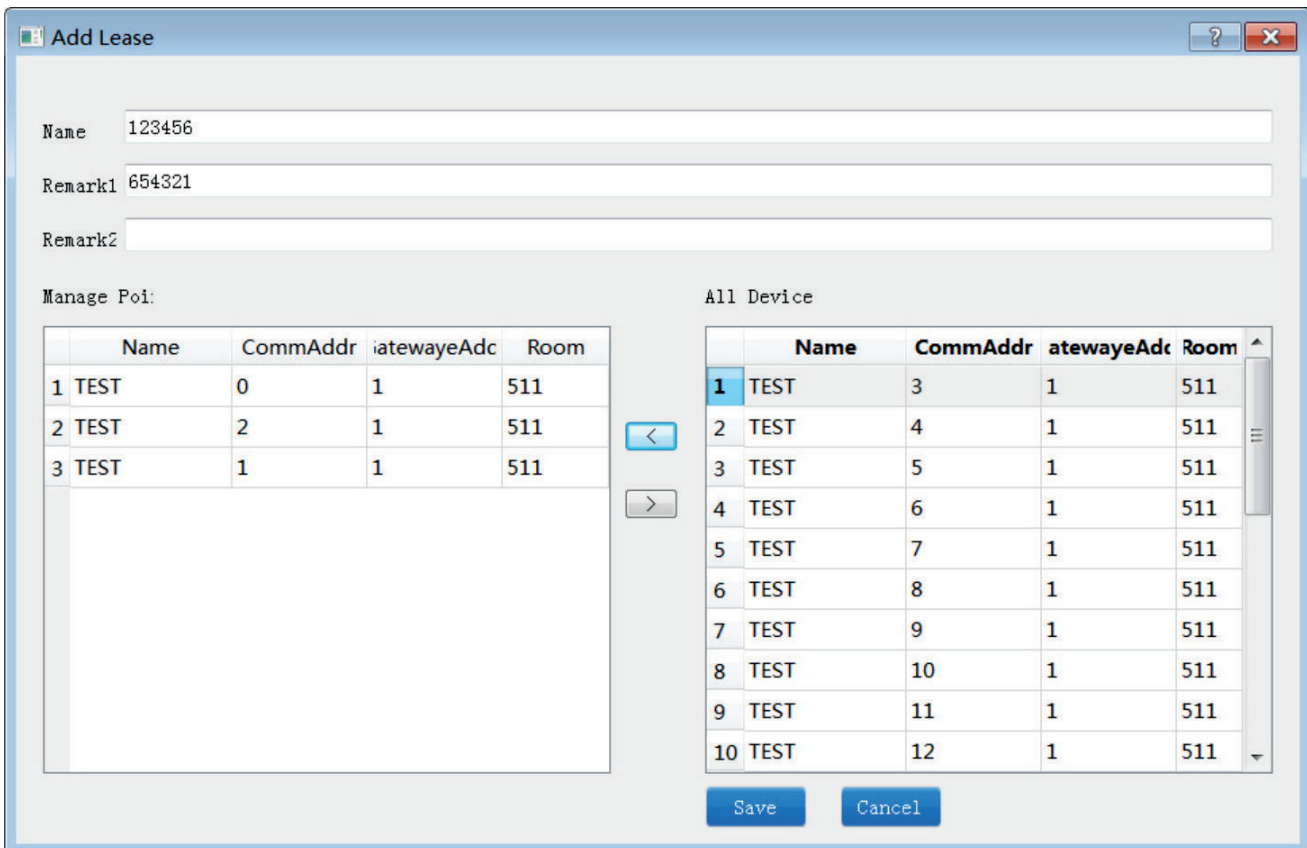
Gestão de dados

A configuração do inquilino e a configuração da informação sobre eletricidade são necessárias antes da gestão dos dados.

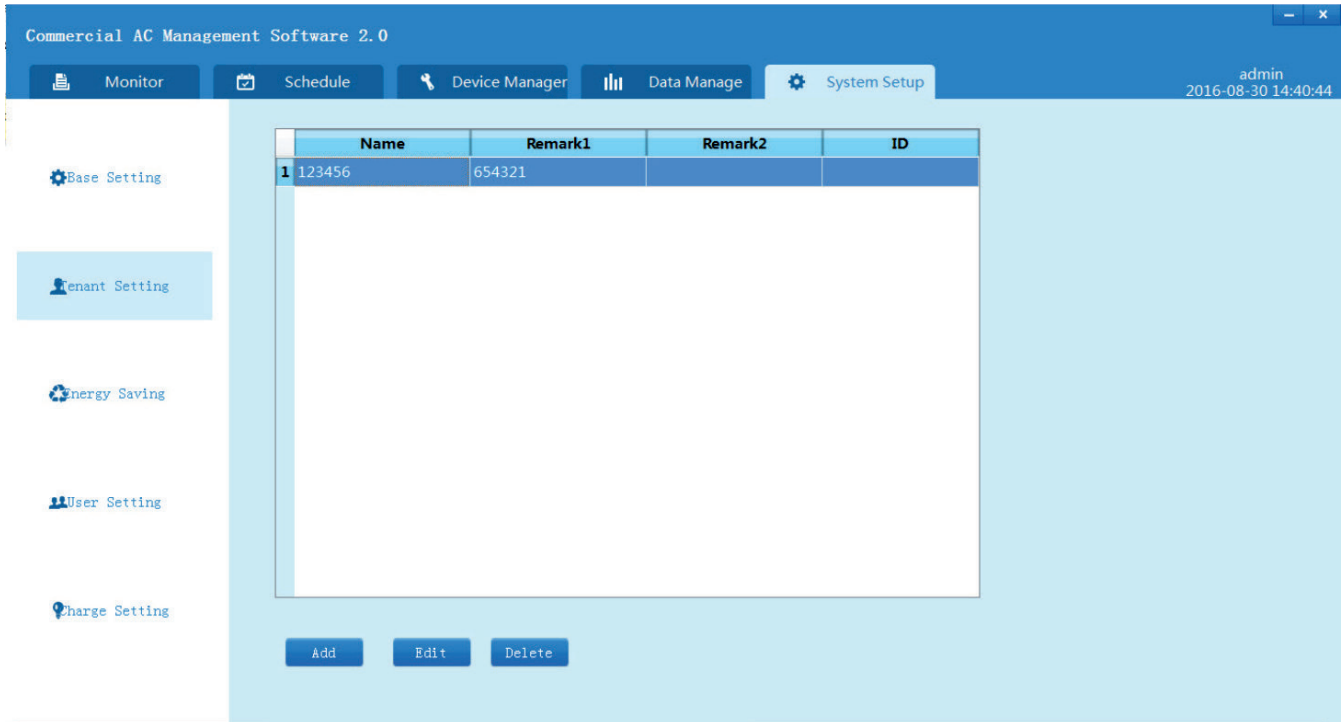
8.1 Configuração do inquilino



Clique em "Add" ("Adicionar") e, em seguida, irá aparecer uma caixa de diálogo. Insira o nome e observações e adicione os dispositivos da tabela "All devices" ("Todos os dispositivos") à tabela "Manage Point" ("Gerir ponto").



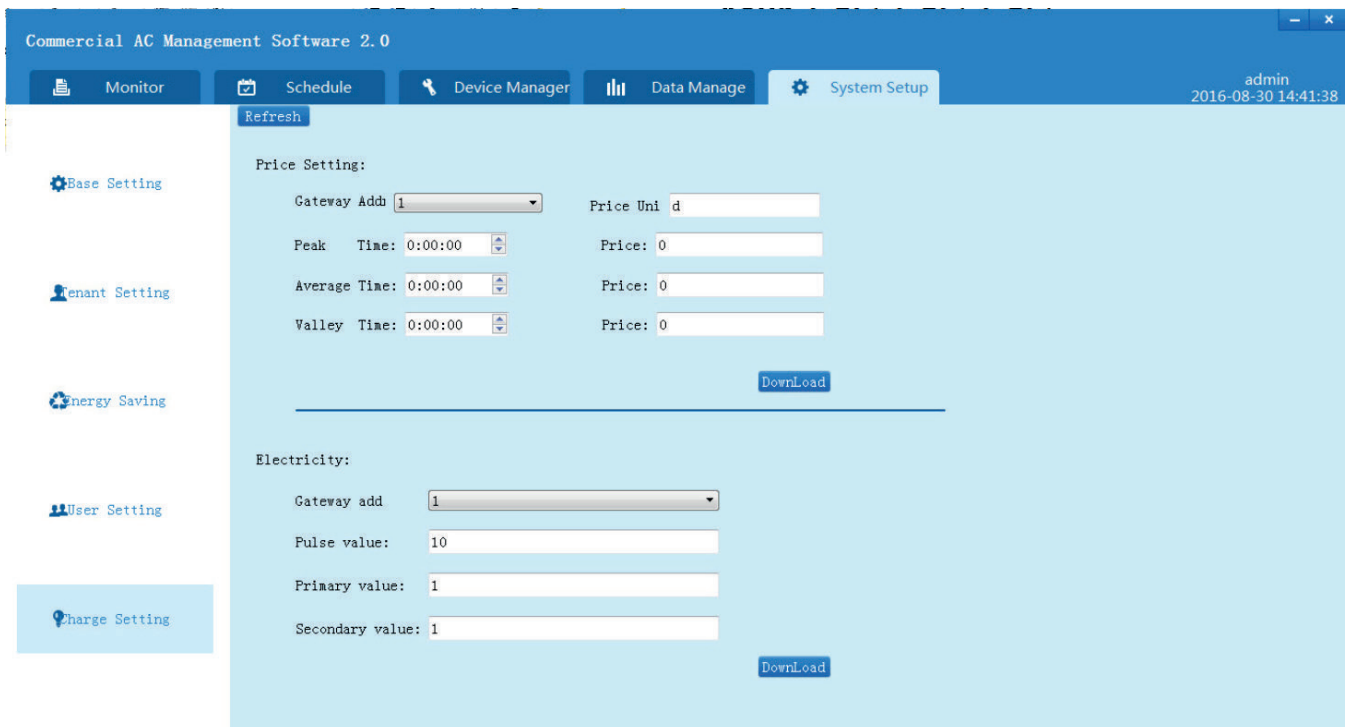
Clique em "Save" ("Guardar") para concluir a configuração do inquilino. A conta do inquilino recentemente adicionada será apresentada na tabela Tenant Setting (Configuração do inquilino). As contas podem ser editadas ou eliminadas.



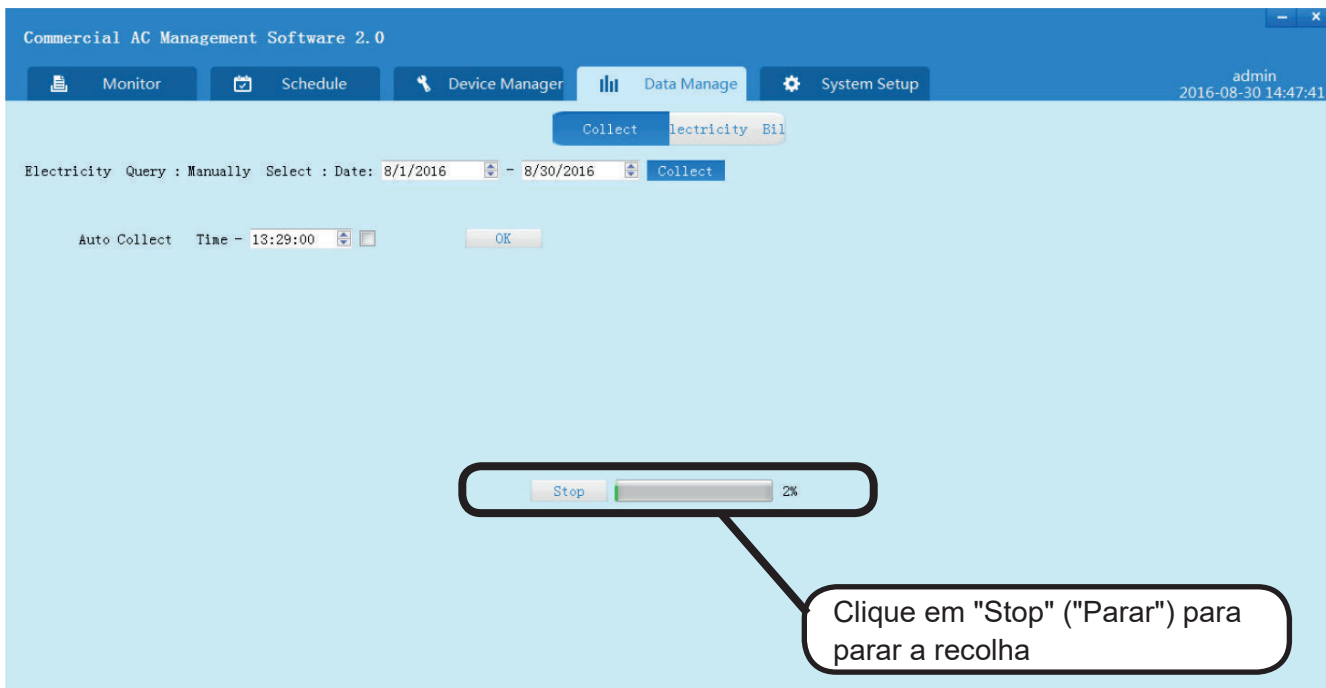
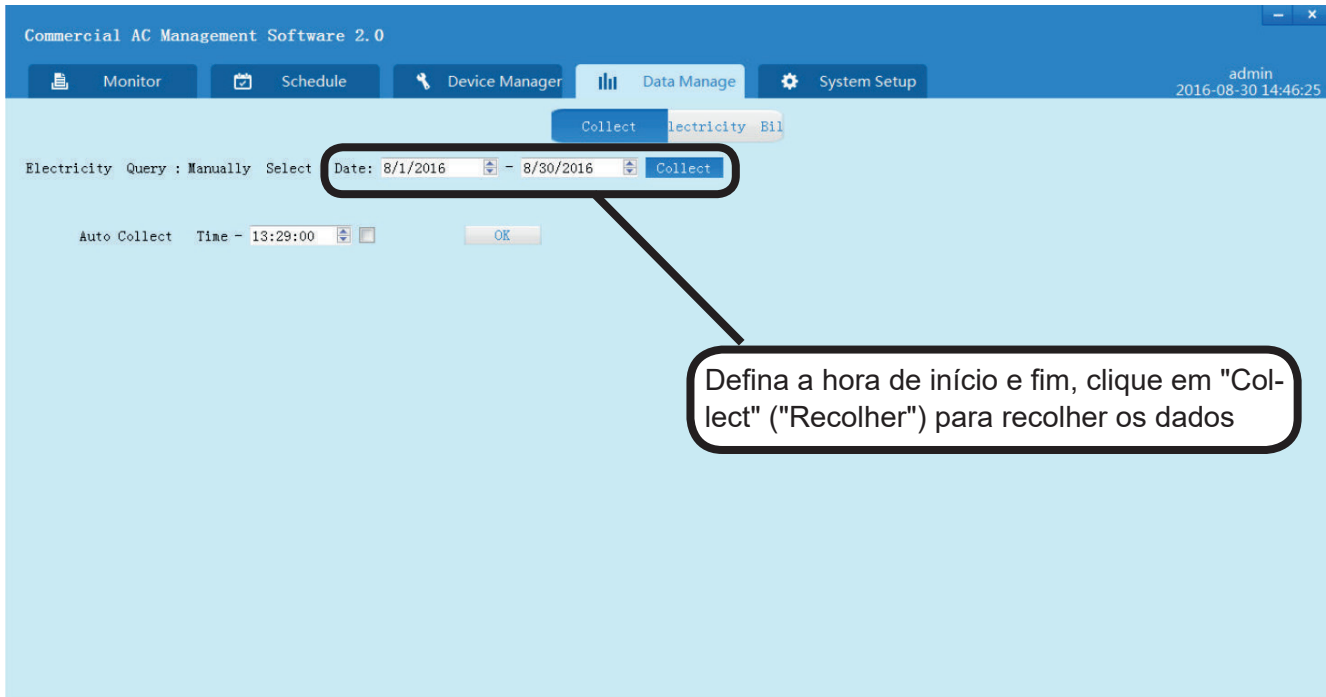
8.2 Configuração da informação sobre eletricidade

Configuração do preço da eletricidade: Cada gateway precisa de configurar o preço da eletricidade. Configure a hora de início, preço e unidade de preço para pico, média e vale. Clique em "Download" ("Transferir") para ativar a configuração.

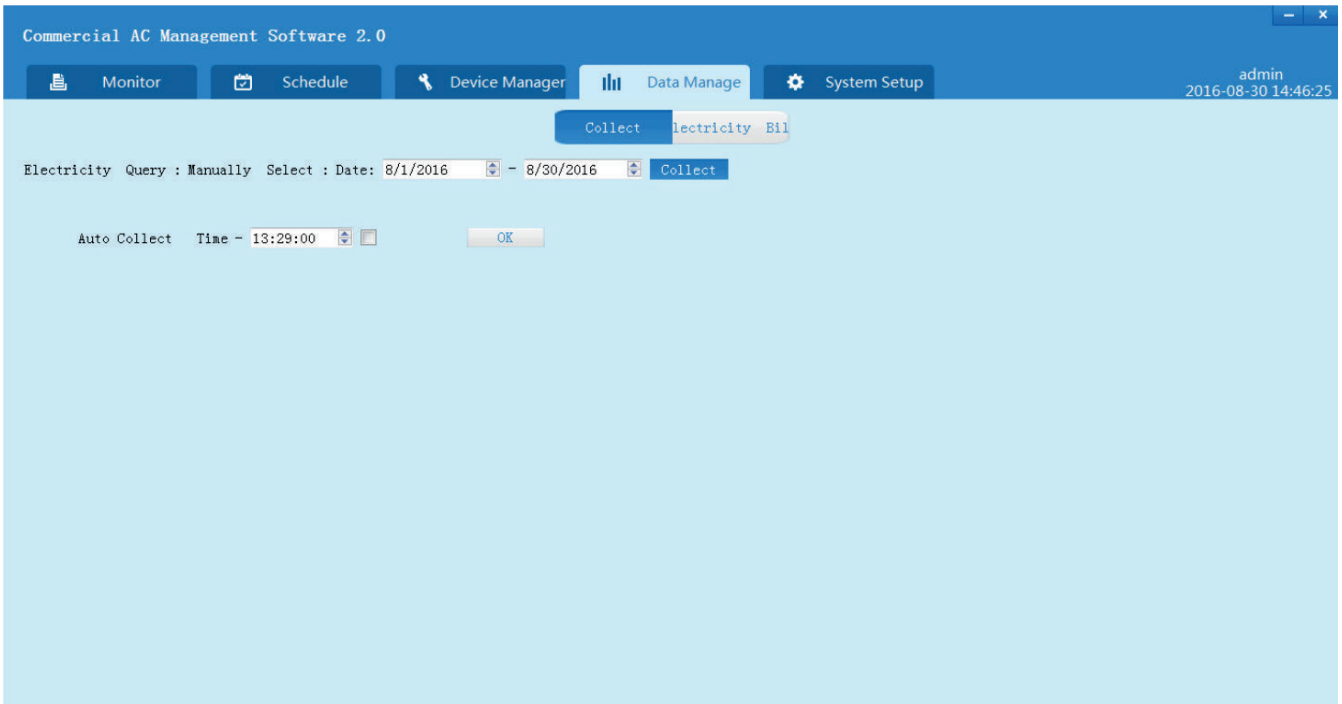
Configure o valor do impulso, valor principal, valor secundário para cada gateway. Clique em "Download" ("Transferir") para ativar a configuração.



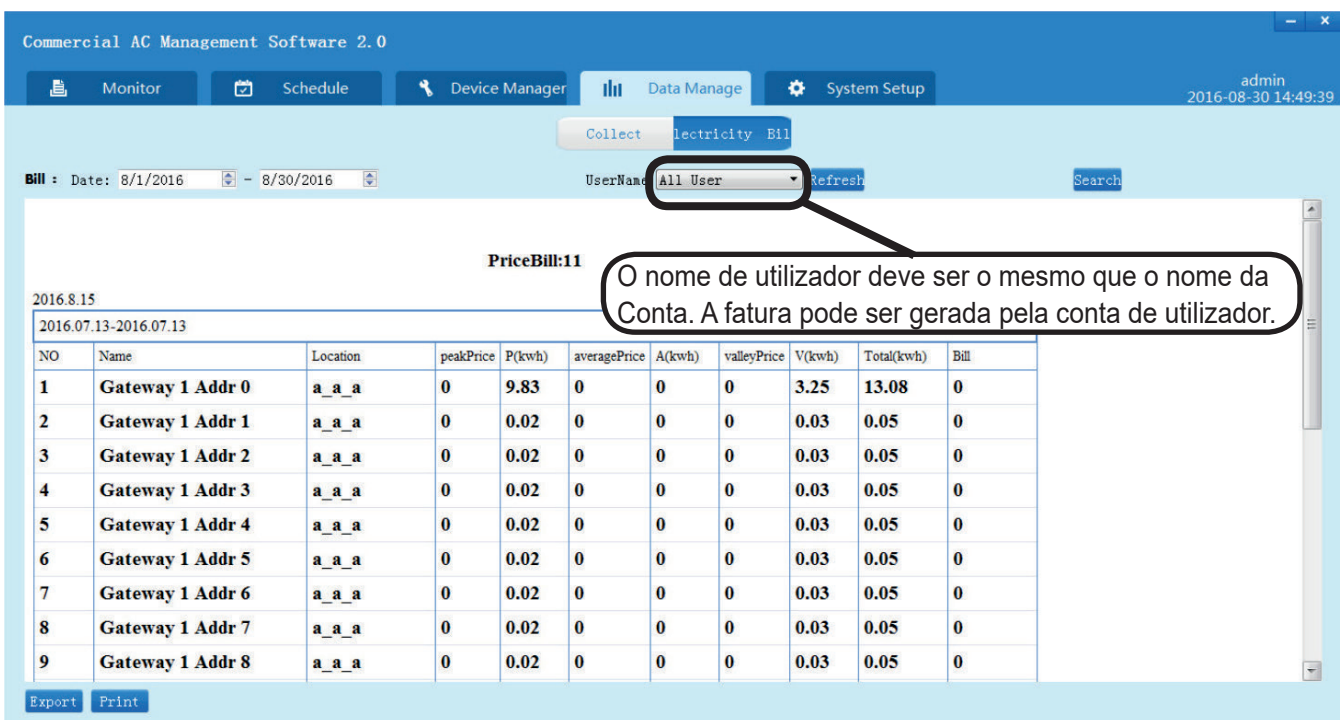
Recolha os dados de consumo de energia a partir da interface "Data Manage" ("Gestão de dados"). Defina o intervalo de tempo e, em seguida, clique em "Collect" ("Recolher"). O processo surge na interface. Clique em "Stop" ("Parar") para parar a coleção.



"Recolha automática: defina o tempo de "Auto collect" ("Recolha automática"), selecione a caixa de verificação e, em seguida, clique em "OK". Pode recolher automaticamente os dados de consumo de energia no momento em que os configura. Desmarque a caixa de verificação para cancelar a recolha automática. A recolha manual tem uma prioridade mais elevada e irá cobrir os dados recolhidos automaticamente"



Na interface "Electricity Bill" ("Fatura de Eletricidade"), introduza o intervalo de tempo e o nome de utilizador e, em seguida, clique em "Search" ("Pesquisar"). Isto irá apresentar a fatura na interface. Clique em "Export" ("Exportar") ou "Print" ("Imprimir") para exportar ou imprimir a fatura.



Registo de Funcionamento do Sistema

1. Ajuste básico

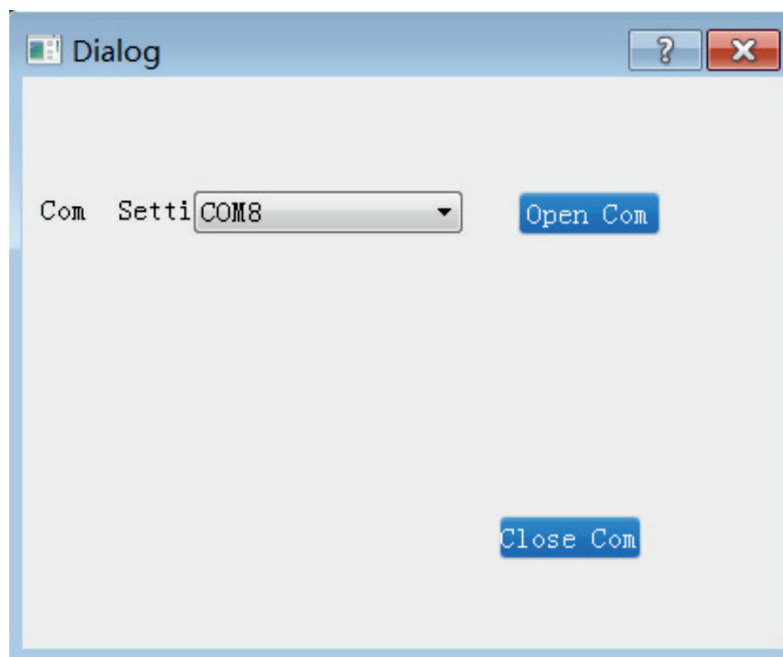


Idioma: Estão disponíveis os “idiomas inglês e chinês”

Revisão de tempo do gateway: o gateway 40VCBM17FQEE regista o consumo de electricidade. "Local PC time" ("Hora do PC local") e "User Time" ("Hora do utilizador") são seleccionáveis.

Unidades de temperatura: Configuração das unidades de temperatura para cada interface. Celsius e Fahrenheit são opcionais.

Configuração da porta Modbus: A interface de terceiros fornece-a através da porta de série do computador.



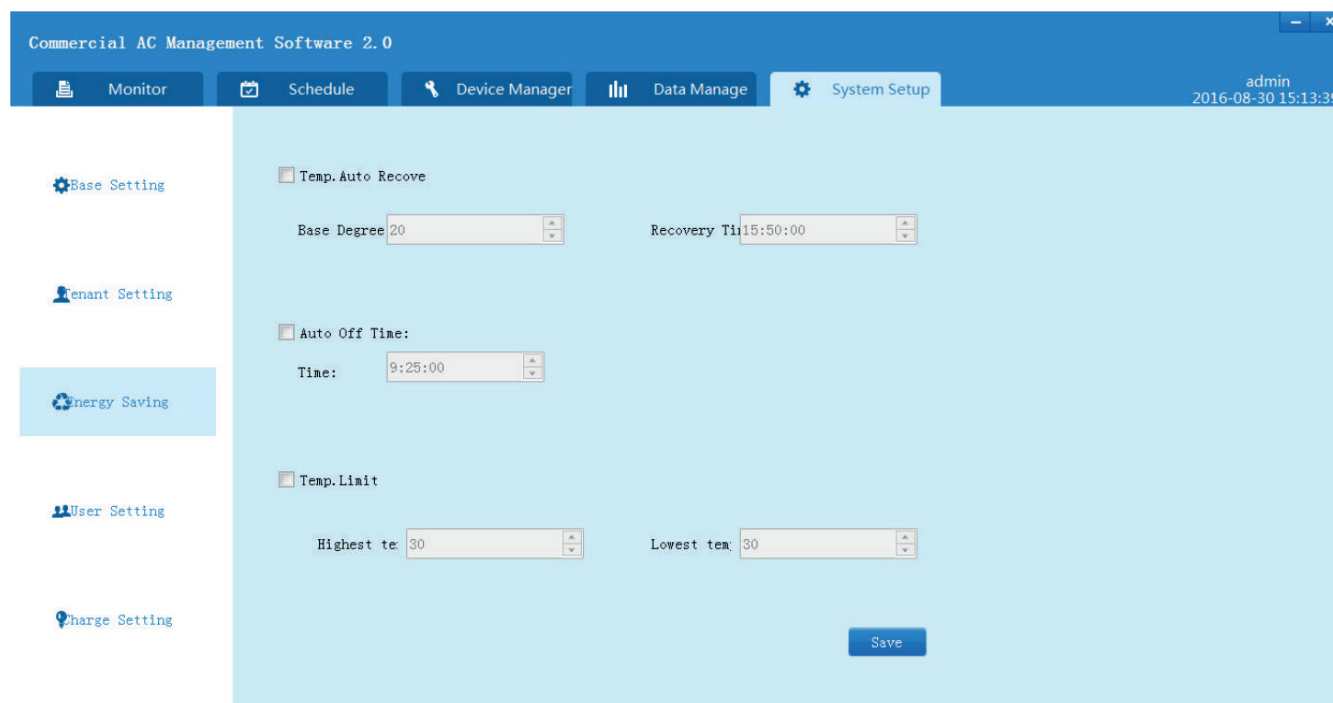
Ligue a porta de série 485 ao computador, selecione a porta correspondente na interface de configuração de portas e, em seguida, clique em "Open Com" ("Com. aberta"). O software de terceiros pode consultar e controlar as unidades interiores de ar condicionado através desta porta.

2. Configuração de poupança de energia

Recuperação automática da temperatura: Quando atinge o tempo de recuperação, a temperatura definida torna-se automaticamente "Base degree" ("grau base").

Desligar a alimentação: DESLIGA a energia quando atinge o tempo definido.

Limite de temperatura: Defina o limite de temperatura para poupar energia. A temperatura definida não deve exceder a temperatura mais alta no modo de aquecimento e não deve ser inferior à temperatura mais baixa nos modos de arrefecimento e seco.



Commercial AC Management Software 2.0

admin
2016-08-30 15:13:39

Monitor Schedule Device Manager Data Manage System Setup

Base Setting

Tenant Setting

Energy Saving

User Setting

Charge Setting

Temp. Auto Recove

Base Degree: 20 Recovery Time: 15:50:00

Auto Off Time:

Time: 9:25:00

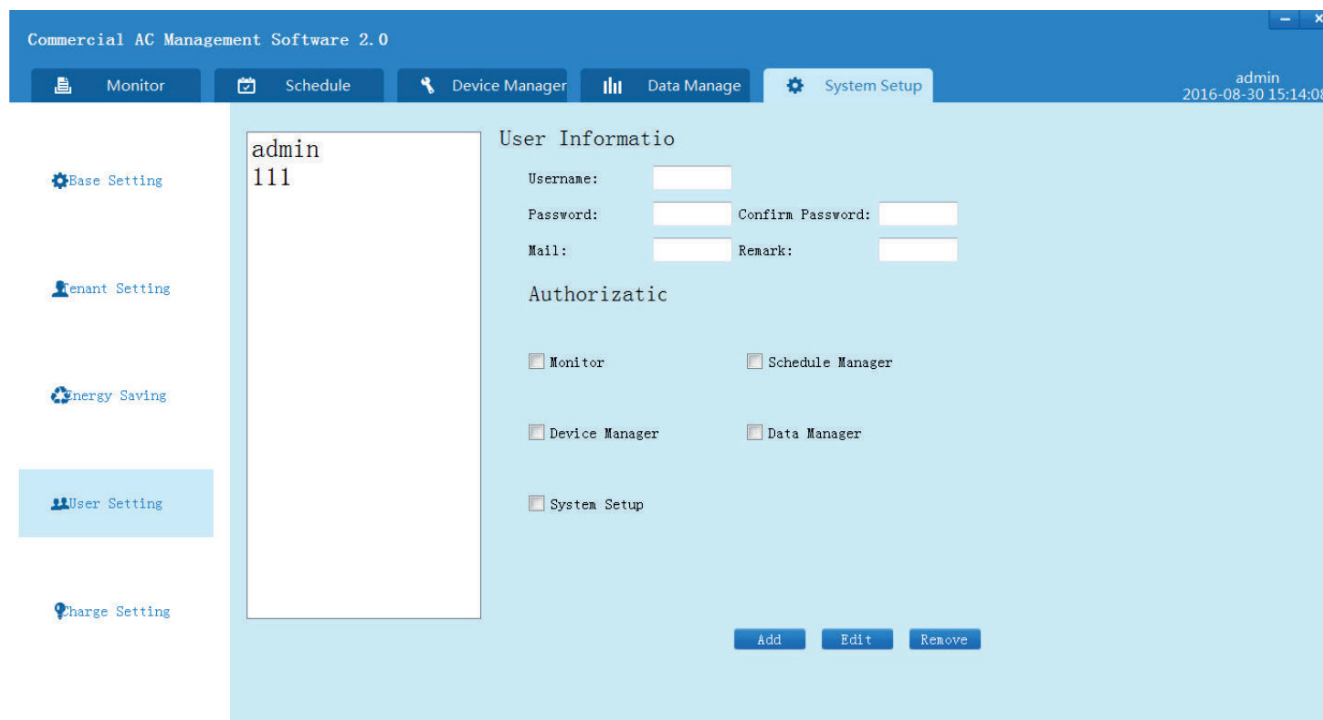
Temp. Limit

Highest tem: 30 Lowest tem: 30

Save

3. Gestão de utilizadores

Adicione, edite e elimine informações do utilizador, incluindo nome de utilizador, palavra-passe, e-mail e observações, e defina as permissões dos utilizadores.





Turn to the experts

O fabricante reserva-se o direito de alterar qualquer especificação de produtos sem aviso prévio.

Informações de acordo com a Diretiva 2006/42/CE	
Nome do fabricante	Carrier SCS
Endereço, cidade, país	Route de Thil - 01120 Montluel – França