



USER'S MANUAL

MST-P3P

S-NET 3

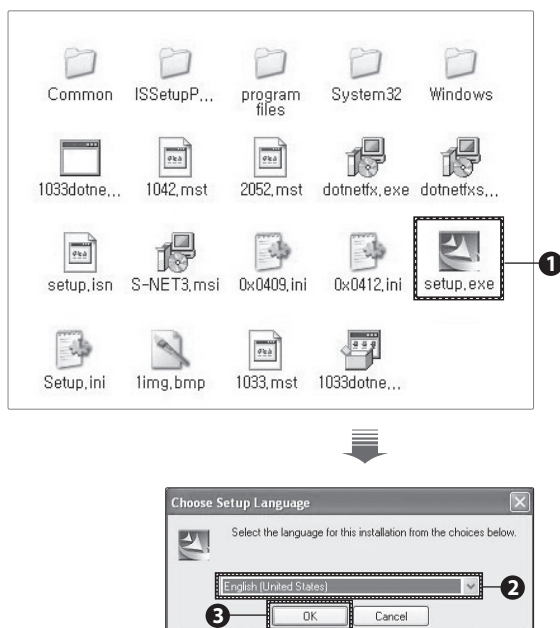


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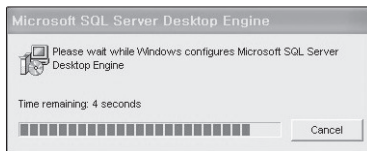
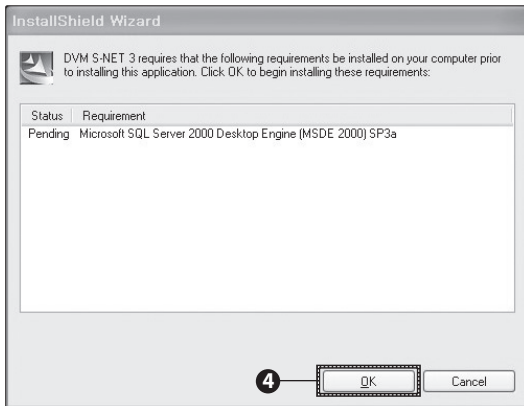
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Installing S-NET 3



- 1** Insert the S-NET 3 installation CD into CD-ROM drive.
 - ◆ Installation automatically begins.
 - ◆ If it does not, double-click [setup.exe] in the installation folder on the desktop.
- 2** Select a language to use.
 - ◆ English, Korean, and Chinese are available.
- 3** Click [OK].
 - ◆ The selected language has been set.
 - ◆ Click [Cancel] to stop installing S-NET 3.



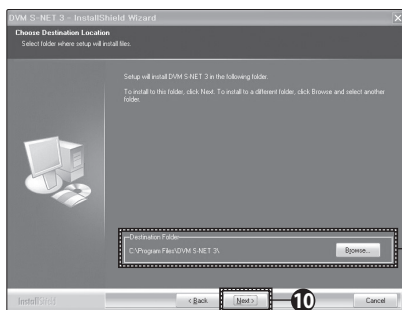
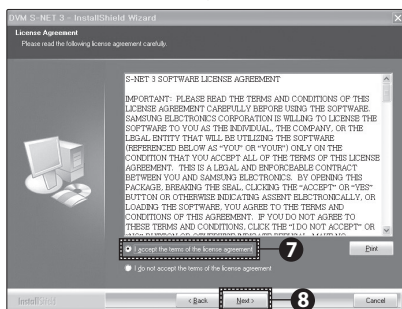
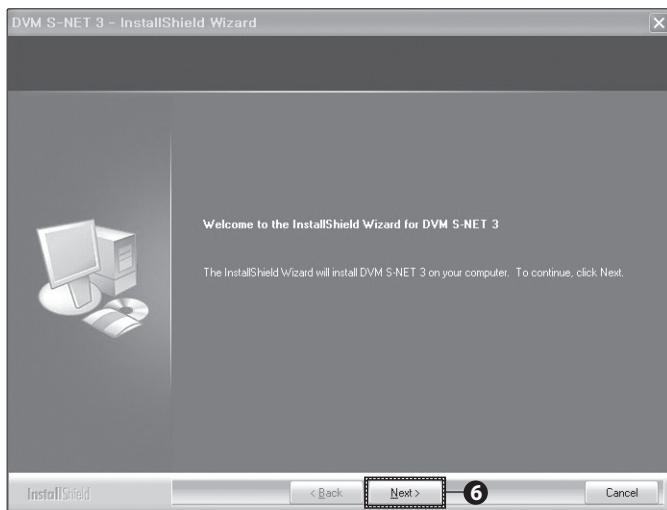
4 Click [OK] to install the required components for S-NET 3.

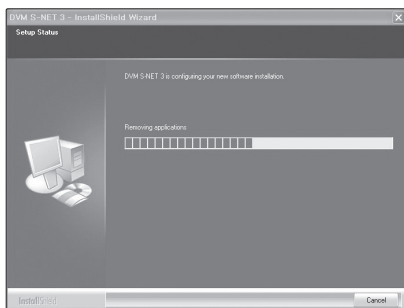
5 Microsoft .NET Framework 2.0 and Microsoft SQL Server Desktop Engine are installed.

- ◆ This may take a few minutes depending on the PC specifications.
 - ◆ Once both components are installed, the S-NET 3 installsheild wizard window appears automatically.
-

Note *S-NET 3 requires Microsoft.NET Framework 2.0 and Microsoft SQL Server Desktop Engine to be set up before installing. S-NET 3 does not function properly without these two components.*

Installing S-NET 3 (Continued)





- 6 Click [Next>] on the installshield wizard window.
 - ◆ Installation is being started.
 - ◆ Click [Cancel] to stop installing S-NET 3.
- 7 Select the option [I accept the terms of the license agreement] on the license agreement window.
 - ◆ Select the option [I do not accept the terms of the license agreement] if you do not agree with the terms of the License Agreement. Installation will be canceled.
- 8 Click [Next>].
 - ◆ Click [<Back] to go back to the previous page.
- 9 Confirm the destination folder in the window .
 - ◆ The default destination folder is C:\Program Files\DVM S-NET3\.
 - ◆ Click [Browse] to specify the destination folder.
 - ◆ Click [<Back] to go back to the previous page.
- 10 Click [Next>].
 - ◆ The setup status window appears and S-NET 3 is being installed.
 - ◆ Click [Cancel] to stop installing S-NET 3.
- 11 Click [Finish] on the installshield wizard complete window.
 - ◆ Installation has been completed.
 - ◆ S-NET3 icon is created on the desktop.



User Privileges of S-NET 3

Item			Privileges	User	Administrator	Installer
Toolbar	Log-in			O	O	O
	Logout			O	O	O
	Fullscreen			O	O	O
	View All Indoor Units			O	O	O
	Edit Structure			X	O	O
	Device List			X	O	O
	Stop All Indoor Units			O	O	O
Menu 1	Main Menu	Control and Monitoring		O	O	O
	Sub-menu	View Management Structure		O	O	O
		View Installation Structure		X	O	O
		Indoor Unit / ERV Control		O	O	O
		Indoor Unit / ERV Monitor		O	O	O
		View Outdoor Unit		X	O	O
		View DMS		X	O	O
Menu 2	Main Menu	Schedule		X	O	O
	Sub-menu	New Schedule		X	O	O
		Schedule List		X	O	O
		Start / Stop Schedule		X	O	O
		Save / Open Schedule		X	O	O
		View Daily Schedule		X	O	O
		Setup Common Exception Days		X	O	O
Menu 3	Main Menu	Peak Demand		X	O	O
	Sub-menu	View Current Power Demand		X	O	O
		View Power Demand History		X	O	O
		Peak Power Control Mode		X	X	O
		Peak Power Control Setup		X	X	O

Item \ Privileges			User	Administrator	Installer
Menu 4	Main Menu	Power Statistics	X	O	O
	Sub-menu	Usage Hours and Power Consumption	X	O	O
		Power Consumption Report	X	O	O
		Edit Power Management Structure	X	O	O
		Power Zone Setup	X	X	O
Menu 5	Main Menu	Statistics and Analysis	X	O	O
	Sub-menu	View Power Demand History	X	O	O
		Usage Hours and Power Consumption	X	O	O
		Indoor Status	X	O	O
		Power Used Rate	X	O	O
Menu 6	Main Menu	System Setup	X	O	O
	Sub-menu	Environment Setup	X	O	O
		DMS Setup	X	X	O
		View Event Log	X	O	O
		Tracking	X	X	O
		DMS Backup	X	O	O
		DMS Restore	X	X	O
		S-NET3 Backup/Restoration	X	O	O

Note

- ◆ Different sets of functions are available for each user roles.
- ◆ This manual is for installers. Use of each menu is restricted from each user roles.

Starting S-NET 3



- 1 Double-click the S-NET3  icon on the desktop.

2 Enter an administrator password on the administrator password window.

- ◆ Administrators can manage monitoring and controlling of all devices including indoor units as well as environment setup.
- ◆ Password should be more than 6 characters long included with English and number.

3 Click [Confirm>].

- ◆ The entered password has been set.
- ◆ Click [Close>] to stop starting S-NET 3.

4 Enter an installer password in the installer password window.

- ◆ Installer can use all functions of S-NET 3.
- ◆ Password should be more than 6 characters long included with English and number.

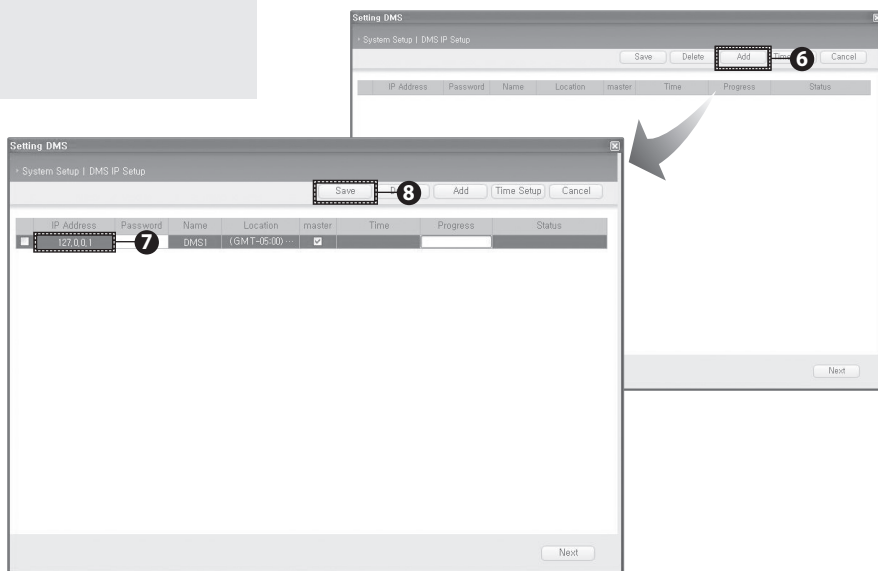
5 Click [Confirm>].

- ◆ The entered password has been set.
 - ◆ Click [Close>] to stop starting S-NET 3.
-

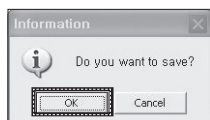
Caution

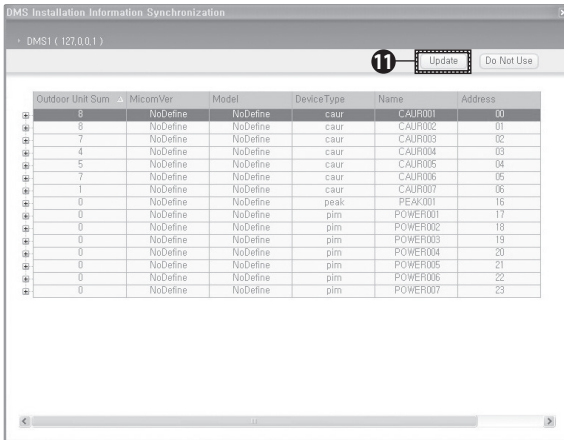
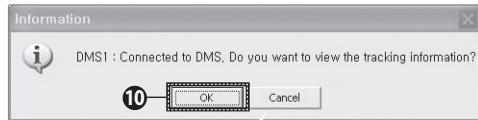
- ◆ **Password**
 - *The administrator password can be changed by [System Setup] menu. Be careful with the administrator password, as you will not be able to use most of the S-NET3 functions without it. The administrator password cannot be changed once it had been set.*
- ◆ **How to start S-NET 3 directly**
 - *In Windows, click [Start] ⇨ [All Programs] ⇨ [DVM S-NET 3] ⇨ [DVM S-NET 3] to start S-NET 3 directly.*

Starting S-NET 3 (Continued)



- 6 Click [Add] on the setting DMS window.
 - ◆ A blank row is created.
- 7 Enter the DMS information in the blank row.
 - ◆ Enter the IP address, password, name, location, master, time, etc.
- 8 Click [Save].
 - ◆ Click [Cancel] to stop adding DMS.
- 9 Click [OK] on the information window.
 - ◆ S-NET 3 connects to the newly added DMS and tracks the DMS information.
 - ◆ An information window appears.





10 Click [OK] on the information window.

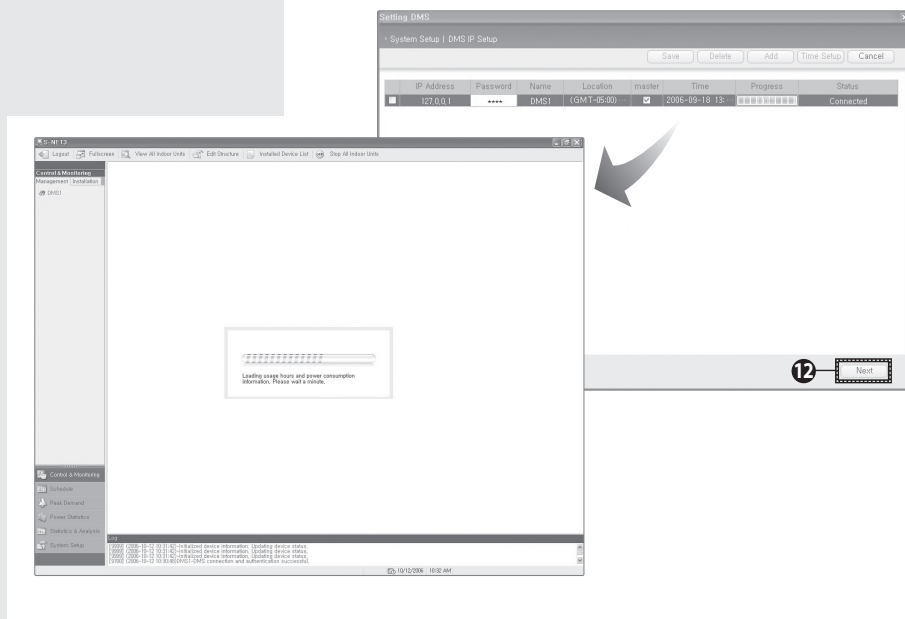
- ◆ The device information of each DMS displays.

11 Click [Update] on the DMS installation information synchronization window.

- ◆ The device information of each DMS is saved in S-NET 3.
- ◆ Click [Do Not Use] not to apply the device information of each DMS. In this case, you can check the devices in S-NET 3 only after updating the information using [System Setup] ⇨ [Update Device Information].

Note S-NET 3 can set up to 16 DMS.

Starting S-NET 3 (Continued)

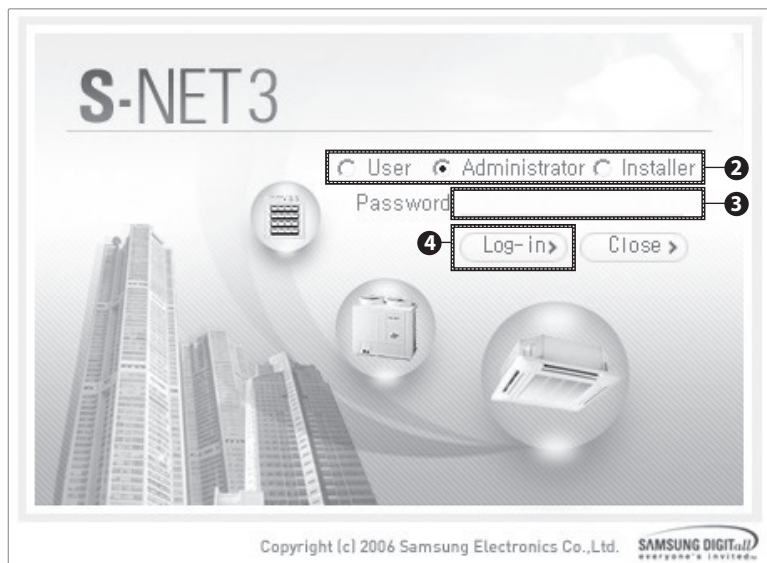



12 Click [Next].

◆ S-NET 3 loading window appears.

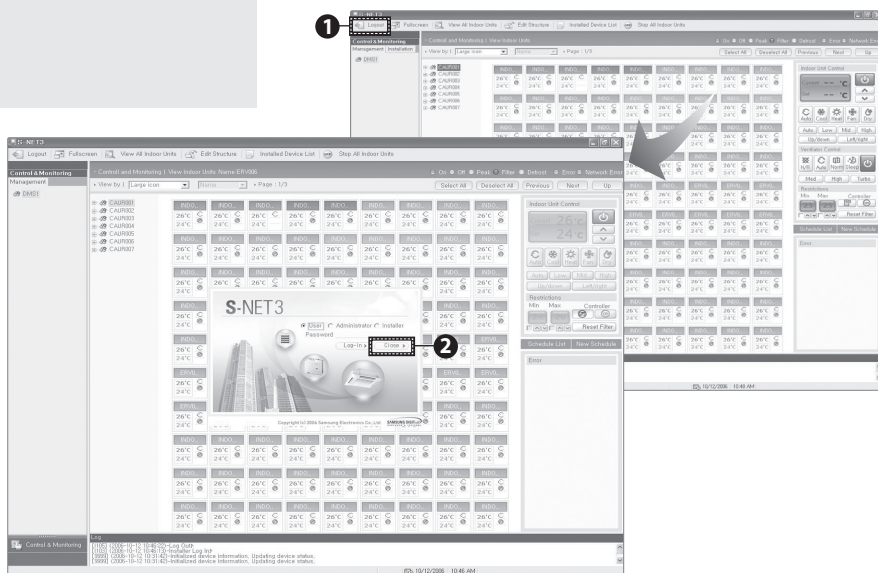
The system synchronizes the indoor unit usage hours, power consumption, and peak history information with DMS. After the synchronization, the login window will appear.

Log-in S-NET 3



- 1 Double-click the S-NET3  icon on the desktop.
- 2 Select the user role on the log-in window.
 - ◆ Different sets of functions are available for each user roles.
 - ◆ User: Monitoring and controlling of indoor units only.
 - Administrator: Monitoring and controlling of all devices including indoor units as well as environment setup.
 - Installer: All functions.
- 3 Enter the password for the selected user role.
 - ◆ It does not need to enter the password for a user.
- 4 Click [Log-in>].
 - ◆ The initial page appears if log-in has been successfully completed.
 - ◆ Click [Close>] to quit S-NET 3.

Log-out S-NET 3



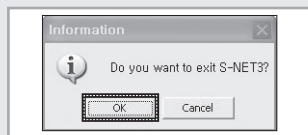
1 Click [Logout] on the toolbar.

2 Click [Close>] on the login window.

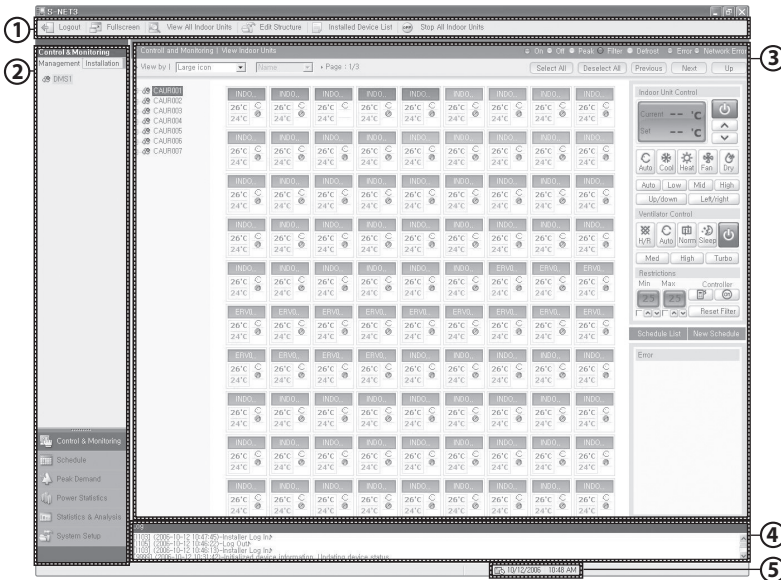
◆ To login again, select user role and enter the corresponding password. Click [Log-in>].

3 Click [OK] on the information window.

◆ S-NET 3 will be closed.

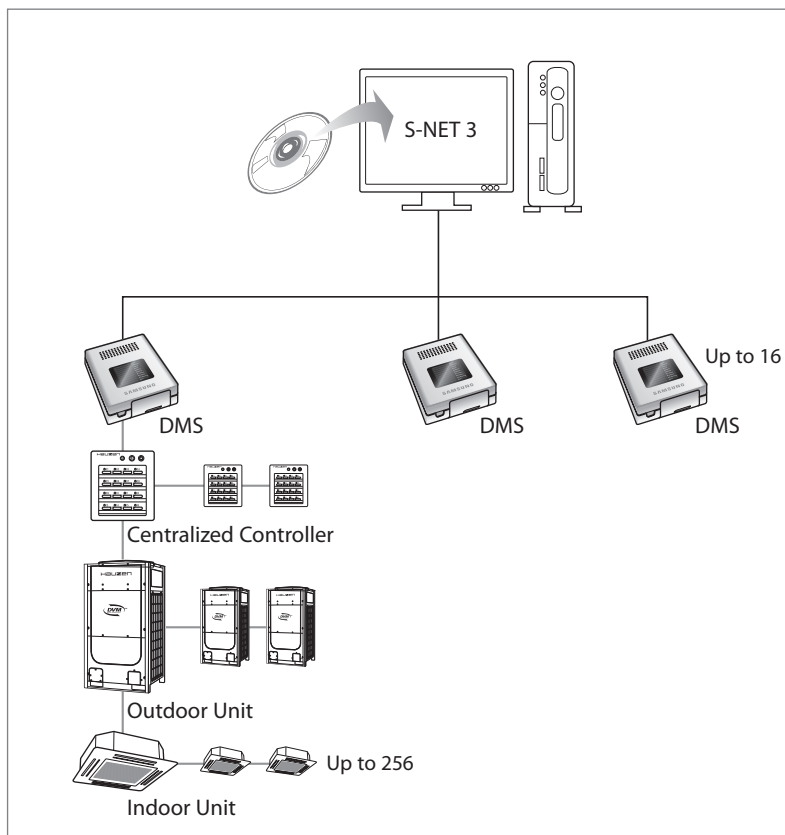


Menu of S-NET 3



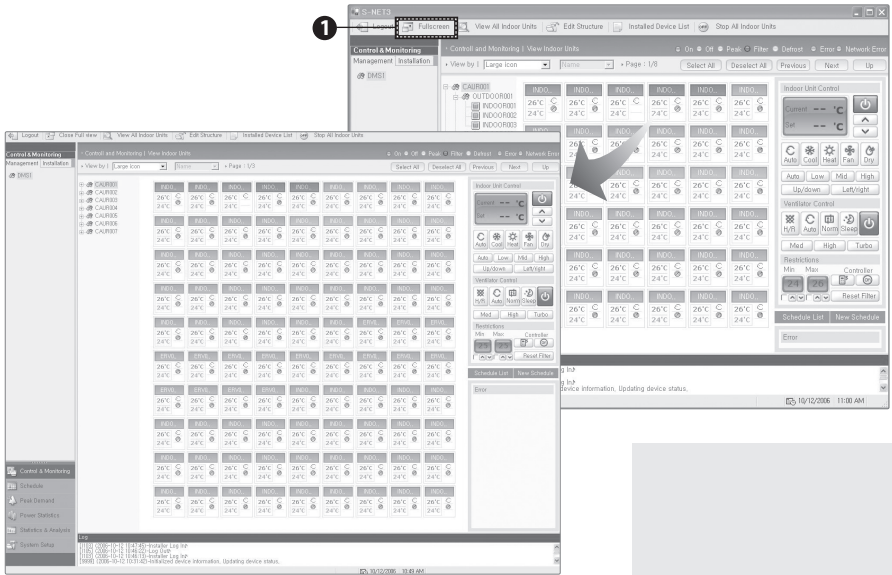
No.	Menu	
①	Toolbar	Logout, Fullscreen, View All Indoor Units, Edit Structure, Installed Device List, Stop All Indoor Units
②	Main menu	Control & Monitoring, Schedule, Peak Demand, Power Statistics, Statistics and Analysis, System Setup
③	Function	Taking charge of actual function
④	Logs	Displaying the error and operating status
⑤	Displays current year, month, day and time	

System Organization



Viewing Indoor Units

Viewing By Fullscreen



This function allows you to check the status of all air conditioning devices as well as indoor units.

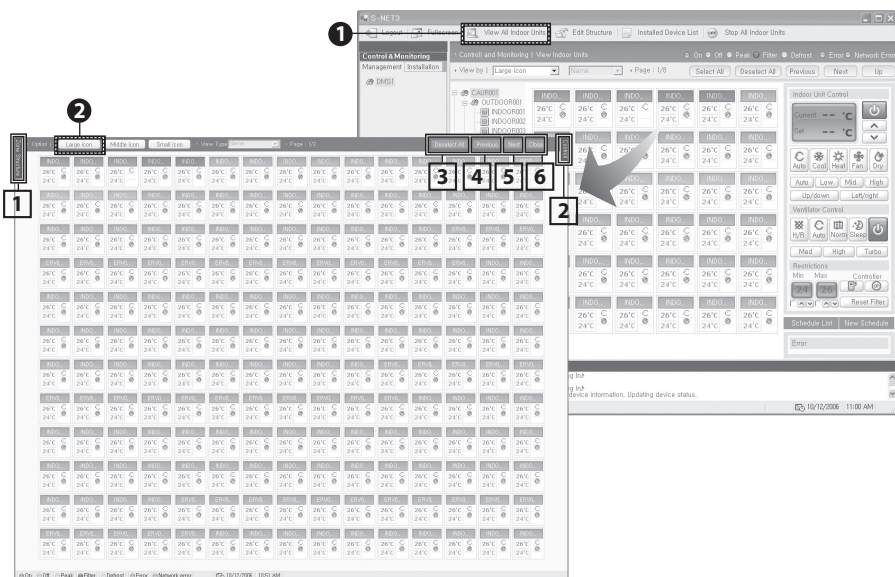
- 1 Click [Fullscreen] on the tool bar.
 - ◆ All of the information display by fullscreen.
- 2 Check the status of every related device as well as indoor/outdoor units.
 - ◆ Click [Close Full View] to stop viewing by fullscreen.

Note

When using Task Bar Auto Hide function in Windows, you cannot use the task bar in fullscreen mode. Click [Close Full View] to stop viewing by fullscreen to use the task bar.

Viewing Indoor Units (Continued)

Viewing By Large Icon



No.	Menu	Remarks
1	Zone Structure	Displays top-level zone and sub-level zone
2	Control	Controls the indoor units/ERVs
3	Deselect All	Deselects the selected indoor units/ERVs
4	Previous	Goes to the previous page
5	Next	Goes to the next page
6	Close	Moves to the initial page of S-NET 3

This function allows you to view the status of indoor units/ERVs by large icons. The indoor units/ERVs are color-coded for comprehensive overview.

1 Click [View All Indoor Units] on the toolbar.

2 Click [Large icon].

3 Check the status of all indoor units.

◆ The background color indicates the status of indoor units.

Blue	Gray	Black	Green	Yellow	Purple	Red
On	Off	Filter Alter	Peak Operation	Deforest Mode	Network Error	Error

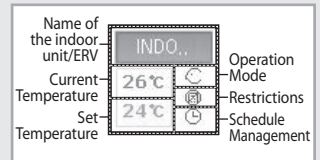
◆ Current Temperature: Indicates current temperature of rooms with indoor units.

◆ Set Temperature: Indicates set temperature by users.

◆ Operation Mode: [Auto], [Cool], [Heat], [Fan], [Dry].

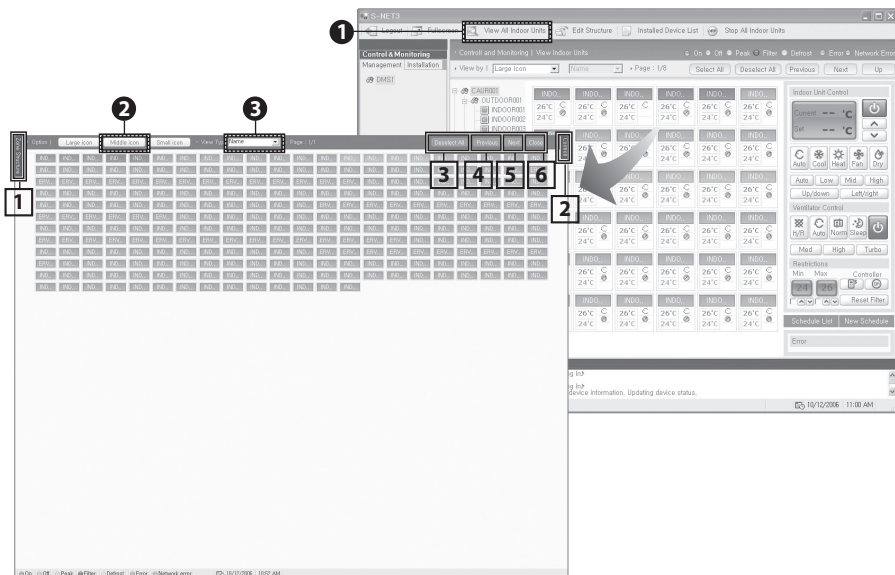
◆ Restrictions: Restricts use of wired/wireless remote controllers, use of [On] button on wired/wireless remote controllers, and setting the temperature.

◆ Schedule Management: Indicates schedule.



Viewing Indoor Units (Continued)

Viewing By Medium Icon



No.	Menu	Remarks
1	Zone Structure	Displays top-level zone and sub-level zone
2	Control	Controls the indoor units/ERVs
3	Deselect All	Deselects the selected indoor units/ERVs
4	Previous	Goes to the previous page
5	Next	Goes to the next page
6	Close	Moves to the initial page of S-NET 3

This function allows you to view the status of indoor units/ERVs by medium icons. The indoor units/ERVs are color-coded for comprehensive overview.

1 Click [View All Indoor Units] on the toolbar.

2 Click [Medium icon].

3 Select the view option by clicking .

- ◆ Five Options are available:
[Name], [Current Temperature], [Set Temperature],
[Operation Mode], [Restrictions].

4 Check the status of all indoor units.

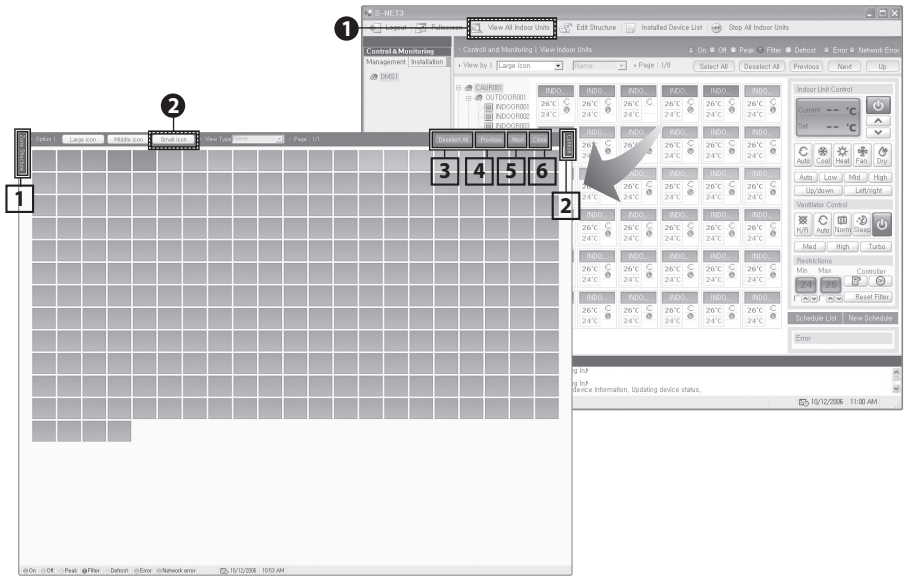
- ◆ The background color indicates the status of indoor units.

Blue	Gray	Black	Green	Yellow	Purple	Red
On	Off	Filter Alter	Peak Operation	Deforest Mode	Network Error	Error

- ◆ Current Temperature: Indicates current temperature of rooms with indoor units.
 - ◆ Set Temperature: Indicates set temperature by users.
 - ◆ Operation Mode: [Auto], [Cool], [Heat], [Fan], [Dry].
 - ◆ Restrictions: Restricts use of wired/wireless remote controllers, use of [On] button on wired/wireless remote controllers, and setting the temperature.
 - ◆ Schedule Management: Indicates schedule.
-

Viewing Indoor Units (Continued)

Viewing By Small Icon



No.	Menu	Remarks
1	Zone Structure	Displays top-level zone and sub-level zone
2	Control	Controls the indoor units/ERVs
3	Deselect All	Deselects the selected indoor units/ERVs
4	Previous	Goes to the previous page
5	Next	Goes to the next page
6	Close	Moves to the initial page of S-NET 3

This function allows you to view the status of indoor units/ERVs by small icons. The indoor units/ERVs are color-coded for comprehensive overview. Up to 4096 indoor units can be displayed on a screen.

1 Click [View All Indoor Units] on the toolbar.

2 Click [Small icon].

◆ Up to 4096 indoor units can be displayed on a screen.

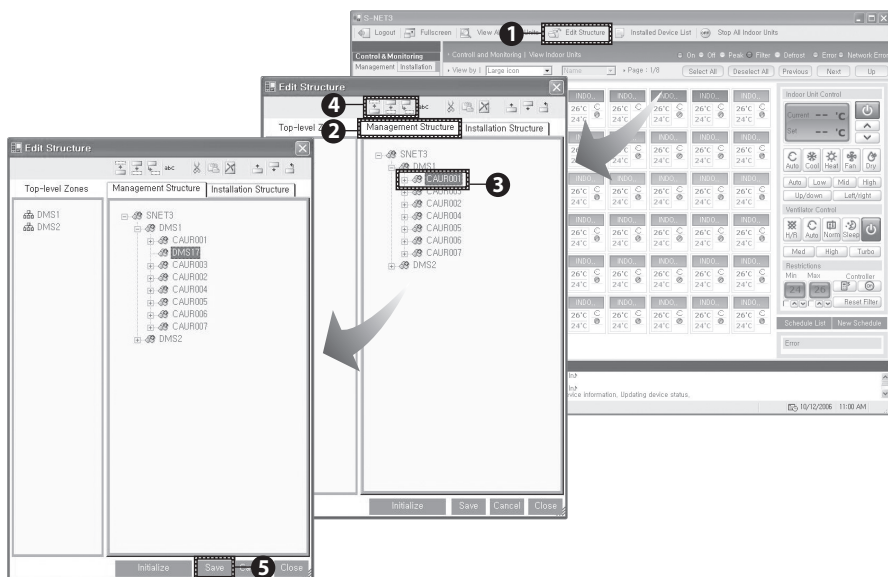
3 Check the status of all indoor units.

◆ The background color indicates the status of indoor units.

Blue	Gray	Black	Green	Yellow	Purple	Red
On	Off	Filter Alter	Peak Operation	Deforest Mode	Network Error	Error

Editing Structure

Creating a New Zone



This function allows you to organize air conditioners into a structure that is easier to manage, regardless of the actual installation structure. You can divide the entire air conditioning system into different zones by creating new zones.

- 1 Click [Edit Structure] on the toolbar.
- 2 Click [Management Structure] tab.
- 3 Select a location to create a new zone.
- 4 Click a zone creating icon you want.
- 5 Click [Save].

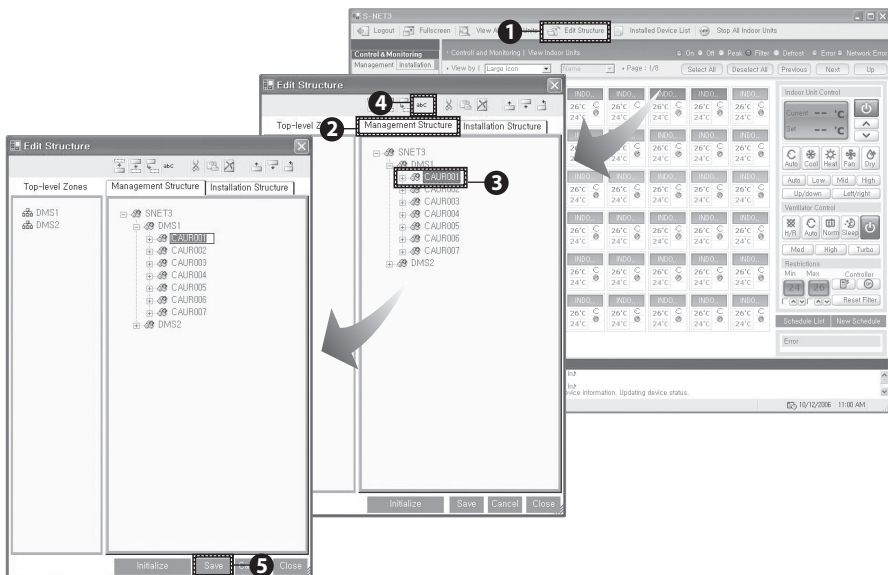
- ◆ The structure you selected has been created.
- ◆ Click [Cancel] to cancel creating a new zone.
- ◆ Click [Initialize] to initialize the edited zone.

Note

Installation structures are not edited because they are just displayed through DMS.

	Upper Creates a new zone above the selected zone
	Below Creates a new zone below the selected zone
	Subordinate Creates a sub-level under the selected zone

Renaming a Zone

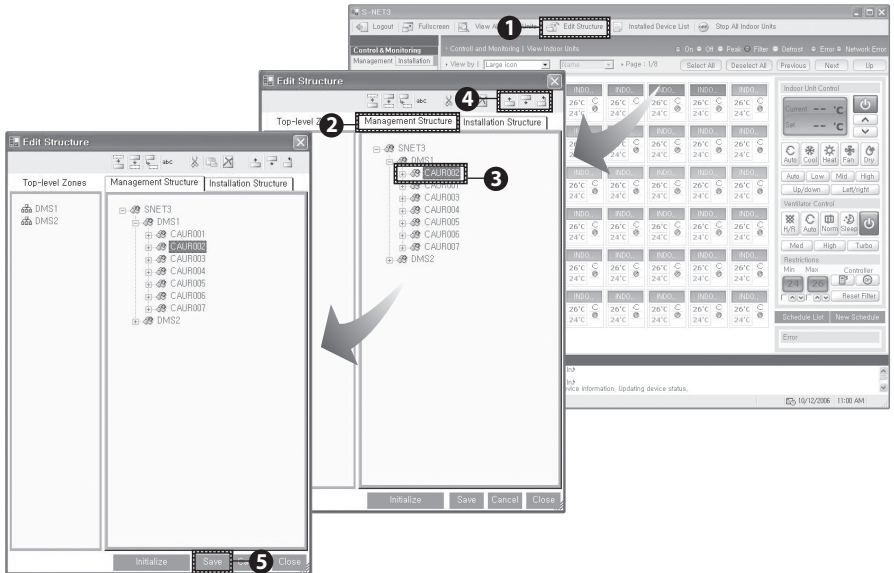


This function allows you to rename each of the divided zones.

- 1 Click [Edit Structure] on the toolbar.
- 2 Click [Management Structure] tab.
- 3 Select a zone to rename.
- 4 Click [abc] on the toolbar.
- 5 Change the name of the zone.
- 6 Click [Save].
 - ◆ The zone you renamed has been set.
 - ◆ Click [Cancel] to cancel renaming a zone.
 - ◆ Click [Initialize] to initialize the edited zone.

Editing Structure (Continued)

Moving a Zone



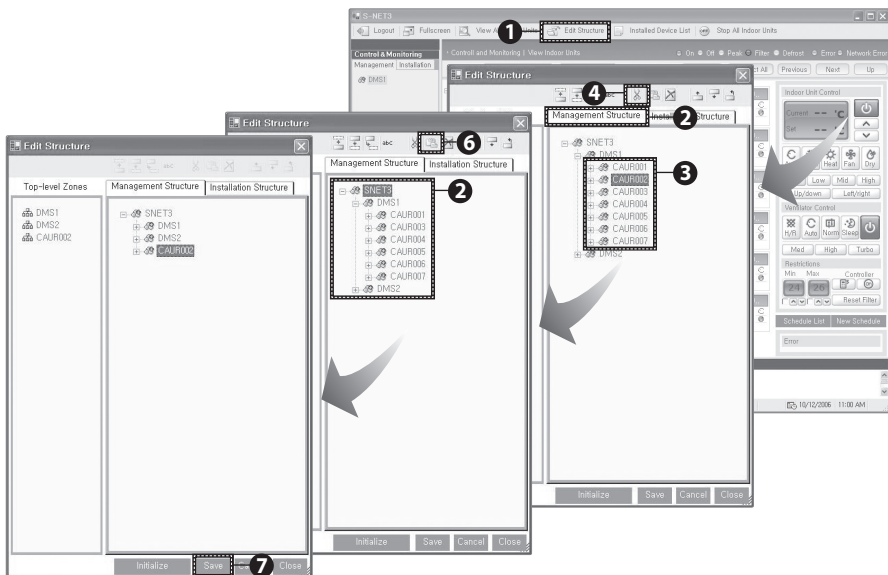
This function allows you to move each of the divided zones to other location.

- 1 Click [Edit Structure] on the toolbar.
- 2 Click [Management Structure] tab.
- 3 Select a zone to move.
- 4 Select a zone moving icon.
- 5 Click [Save].



- ◆ The zone you moved has been set.
- ◆ Click [Cancel] to cancel moving a zone.
- ◆ Click [Initialize] to initialize the edited zone.

	Move Up Moves the selected zone up in the tree within the same level.
	Move Down Moves the selected zone down in the tree within the same level.
	Move Up One Level Moves the selected zone up one level.

Cutting and Pasting a Zone

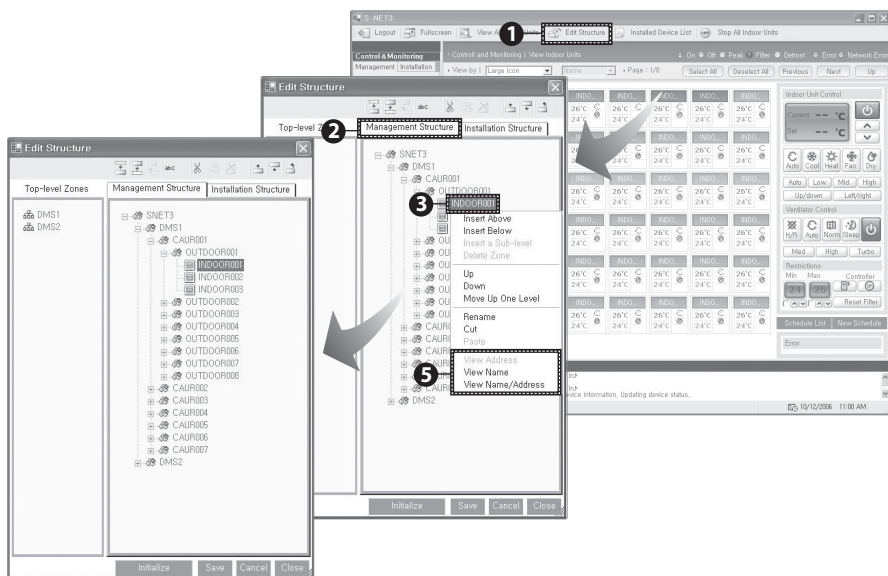


This function allows you to cut each of the divided zones and paste it to another location.

- 1 Click [Edit Structure] on the toolbar.
- 2 Click [Management Structure] tab.
- 3 Select a zone to cut.
- 4 Click  on the toolbar.
◆ The selected zone is cut.
- 5 Select a location to paste the zone.
- 6 Click  on the toolbar.
◆ The selected zone is pasted.
- 7 Click [Save].
◆ The structure you cut or pasted has been set.
◆ Click [Cancel] to cancel cutting or pasting a zone.
◆ Click [Initialize] to initialize the edited zone.

Editing Structure (Continued)

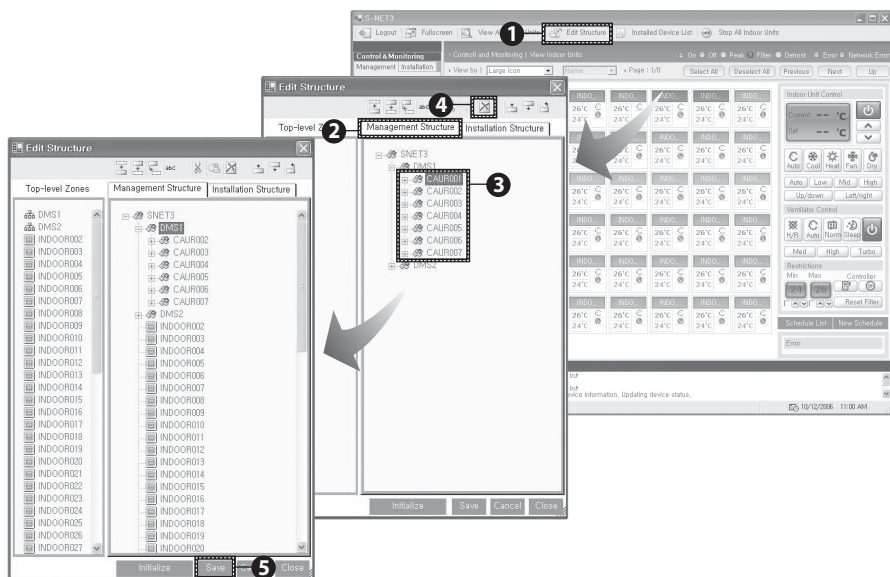
Viewing Options




This function allows you to view indoor units using their addresses, names, or names and addresses.

- 1 Click [Edit Structure] on the toolbar.
- 2 Click [Management Structure] tab.
- 3 Select a zone to view.
 - ◆ Select either a top-level zone or a sub-level zone.
- 4 Right-click the selected zone.
- 5 Select an option.
 - ◆ Three options are available:
[View Address], [View Name], [View Name/Address].
 - ◆ The zone is displayed by the selected option.
 - ◆ Click [Initialize] to initialize the edited zone.

Deleting a Zone



This function allows you to delete each of the divided zones.

- 1 Click [Edit Structure] on the toolbar.
- 2 Click [Management Structure] tab.
- 3 Select a zone to delete.
- 4 Click  on the toolbar.
 - ◆ The selected zone is deleted.
 - ◆ If the selected zone contains one or more indoor units, the indoor units are listed directly under the top-level zone after deleting.
- 5 Click [Save].
 - ◆ The zone you deleted has been set.
 - ◆ Click [Cancel] to cancel deleting a zone.
 - ◆ Click [Initialize] to initialize the edited zone.

Note If you click [Cancel] after saving the edited zone, it does not go back to the previous status.

Installed Device List

Installed device list

Statistics of classification Printed date: Thursday, October 12,

NO	DMSE Name	Indoor	Outdoor	Control controller	Peak transceiver	Power transceiver
1	DMSE1	256	40	7	1	7
Total	1	256	40	7	1	7

Device list

DMSE1 / 127.0.0.1


1. Peak Control VM: 16 / PEW301 / NoDefine / NoDefine

1. Power VM: 17 / POWER001 / NoDefine / NoDefine
 2. Power VM: 18 / POWER002 / NoDefine / NoDefine
 3. Power VM: 19 / POWER003 / NoDefine / NoDefine
 4. Power VM: 20 / POWER004 / NoDefine / NoDefine
 5. Power VM: 21 / POWER005 / NoDefine / NoDefine
 6. Power VM: 22 / POWER006 / NoDefine / NoDefine
 7. Power VM: 23 / POWER007 / NoDefine / NoDefine

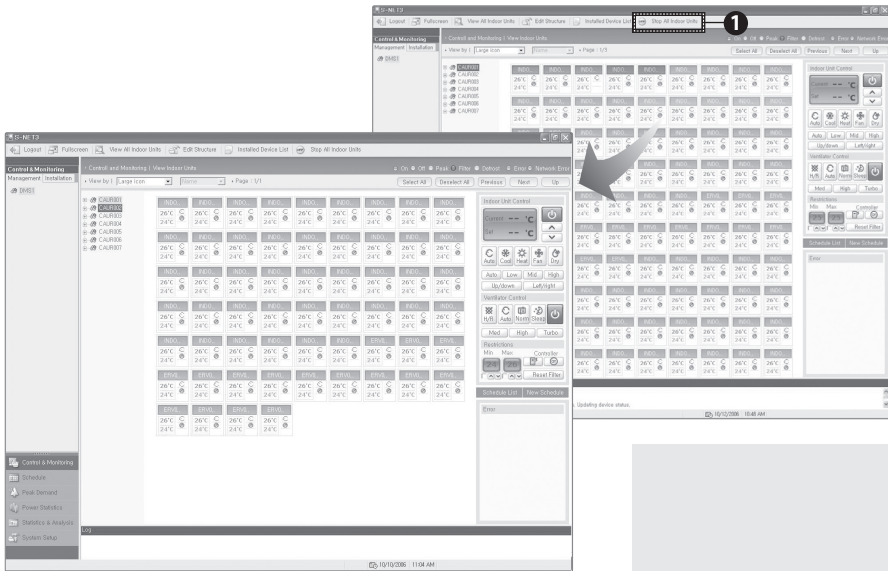
1. Central controller: 00 / CALR001 / NoDefine / NoDefine

1. Outdoor: 00.00 / OUTDOOR001 / NoDefine / NoDefine / NoDefine / NoDefine
 1. Indoor: Main 00.00.04 / BMC: 00.00 / INDOOR001 / NoDefine / NoDefine
 2. Indoor: Main 00.00.05 / BMC: 00.01 / INDOOR002 / NoDefine / NoDefine
 3. Indoor: Main 00.00.06 / BMC: 00.02 / INDOOR003 / NoDefine / NoDefine

This function allows you to print out the setup status of devices or the system as reports.

- 1 Click [Installed Device List] on the tool bar.
- 2 Check the device list.
 - ◆ Statistics of classification, printed date, installed device list are displayed.
 - ◆ Click  to print out the list.
 - ◆ Click [File] → [Export to] → [Excel Document] in order to save the list as an excel file.

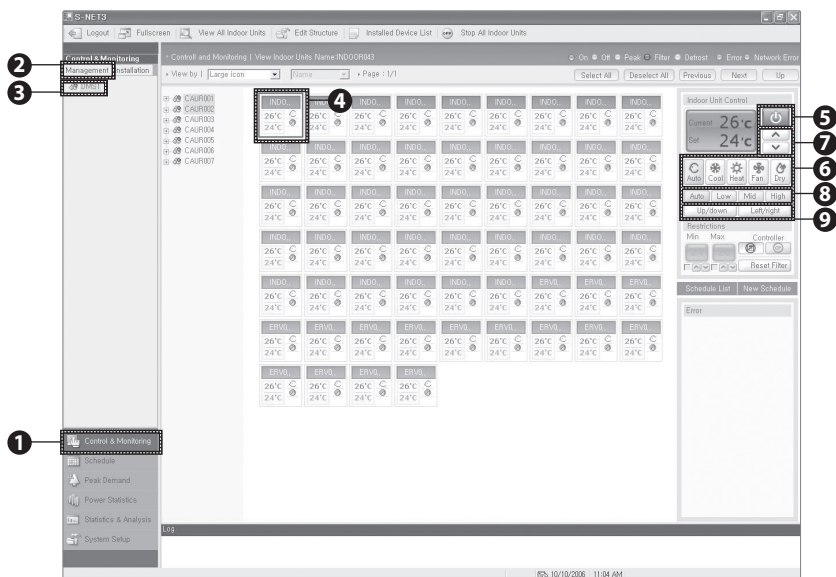
Stop All Indoor Units



This function allows you to stop the operation of all indoor units connected to S-NET 3.


- 1 Click [Stop All Indoor Units] on the tool bar.
 - ◆ All indoor units connected to S-NET 3 stop operating.

Controlling Individual Indoor Unit




This function allows you to control the operation of every individual indoor unit.

- 1 Click [Control & Monitoring] on the menu.
- 2 Click [Management] tab.
- 3 Select a top-level zone.
 - ◆ You can check all the trees of sub-level zones of the selected top-level zone.
- 4 Select an indoor unit to control on the list.
 - ◆ You can check all of subordinated indoor units to the selected sub-level zone.
 - ◆ Selected indoor unit is displayed blue.
 - ◆ Click the indoor unit again to deselect.

-
- 5 Click  (Power) to turn on the indoor unit.
- ◆ You should turn on the indoor units because it is impossible to control indoor units individually while they are turned off.

-
- 6 Select an operation mode.
- ◆ Five modes are available:
[Auto], [Cool], [Heat], [Fan], [Dry].

-
- 7 Set the temperature by clicking .
- ◆ Temperature can be set between 18°C and 30°C by 1°C in Auto/Cool/Dry mode.
 - ◆ Temperature can be set between 16°C and 30°C by 1°C in Heat mode.
 - ◆ Temperature cannot be set in Fan mode.
 - ◆ If the temperature restriction is on, temperature can be set within the restricted range only.

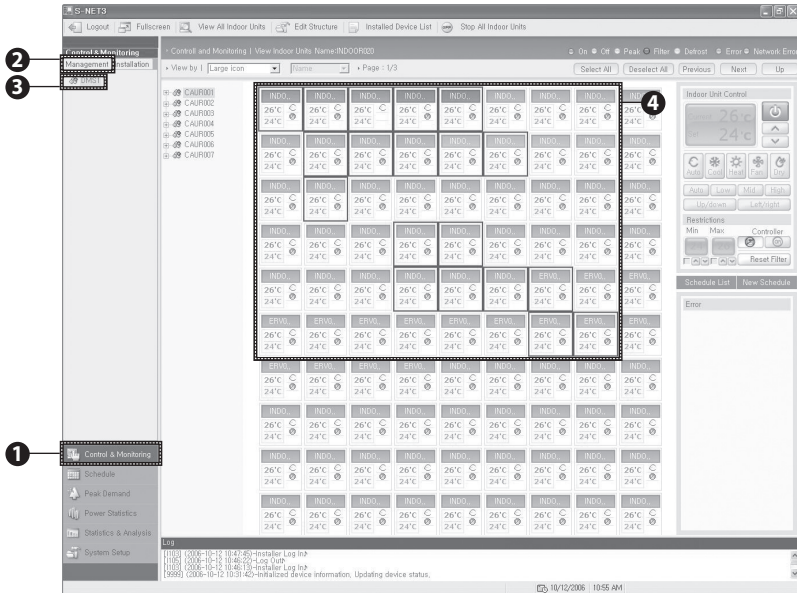
-
- 8 Select fan speed.
- ◆ When Auto/Fan mode is on, fan speed is controlled automatically.

-
- 9 Select air flow.
- ◆ Two options are available:
[Up/Down], [Left/Right].
 - ◆ Both of the options can be selected simultaneously.
-

Mode \ Fan Speed	Fan Speed			
	Low	Mid	High	Auto
Auto	x	x	x	o
Cool	o	o	o	o
Heat	o	o	o	o
Fan	o	o	o	o
Dry	x	x	x	o

Controlling (Continued)

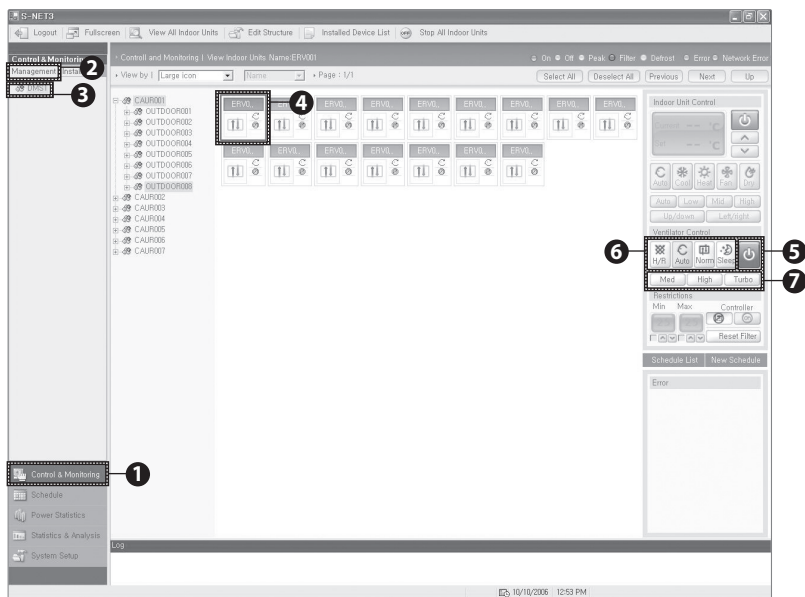
Controlling Multiple Indoor Units




This function allows you to control the operation of multiple indoor units.

- 1 Click [Control & Monitoring] on the menu.
- 2 Click [Management] tab.
- 3 Select a top-level zone.
 - ◆ You can check all the trees of sub-level zones of the selected top-level zone.
- 4 Select indoor units to control on the list.
 - ◆ You can check all of subordinated indoor units to the selected sub-level zone.
- 5 The selected indoor units are displayed blue.
 - ◆ The status of last selected indoor unit is displayed on the window.
 - ◆ Refer to [Controlling individual indoor units] to control multiple indoor units. (p34~35)
 - ◆ Click the indoor unit again to deselect.
 - ◆ Click [Deselect All] or blank area on the screen to deselect all of the selected indoor units.

Controlling Individual ERV

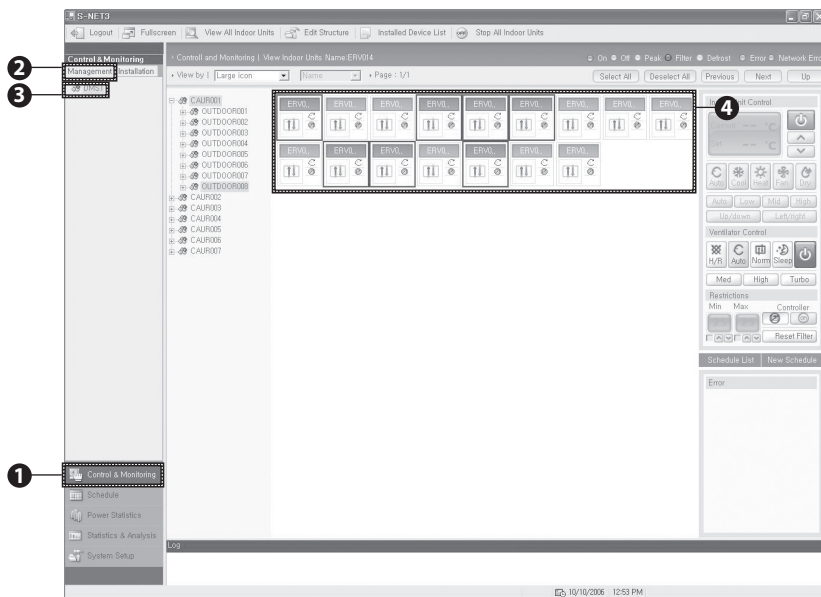


This function allows you to control the operation of every individual ERV.

- 1 Click [Control & Monitoring] on the menu.
- 2 Click [Management] tab.
- 3 Select a top-level zone.
 - ◆ You can check all the trees of sub-level zones of the selected top-level zone.
- 4 Select an ERV to control on the list.
 - ◆ You can check all of subordinated ERVs to the selected sub-level zone.
 - ◆ Selected ERV is displayed blue.
 - ◆ Click the ERV again to deselect.
- 5 Click  (Power) to turn on the ERV.
 - ◆ You should turn on the ERV because it is impossible to control the ERVs individually while they are turned off.
- 6 Select an operation mode.
 - ◆ Four modes are available: [H/R], [Auto], [Norm], [Sleep].
- 7 Select fan speed.
 - ◆ Three options are available: [Mid], [High], [Turbo].

Controlling (Continued)

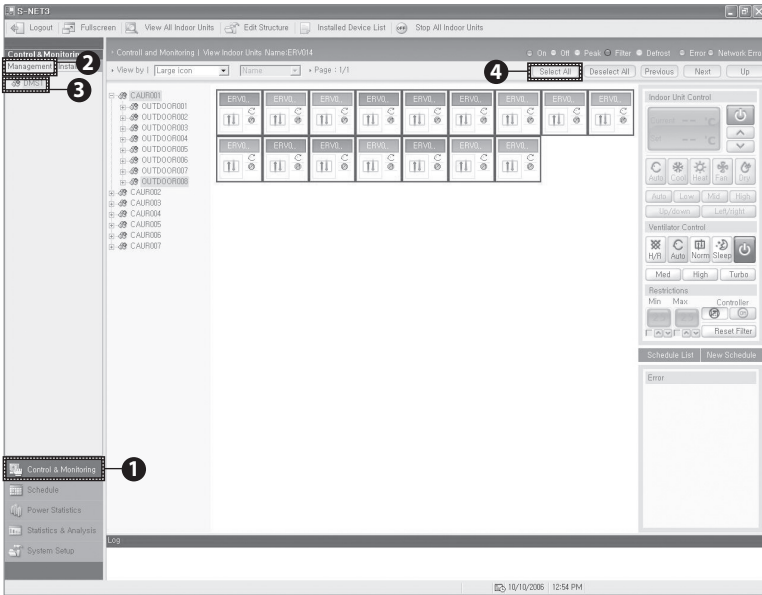
Controlling Multiple ERVs



This function allows you to control the operation of multiple ERVs.

- 1 Click [Control & Monitoring] on the menu.
- 2 Click [Management] tab.
- 3 Select a top-level zone.
 - ◆ You can check all the trees of sub-level zones of the selected top-level zone.
- 4 Select multiple ERVs to control on the list.
 - ◆ You can check all of the subordinated ERVs in the selected sub-level zone.
- 5 The selected ERVs are displayed blue.
 - ◆ Refer to [Controlling individual ERV] to control multiple ERVs. (p37)
 - ◆ Click the indoor unit again to deselect.
 - ◆ Click [Deselect All] or blank area on the screen to deselect all of the selected ERVs.

Controlling All of Indoor Units/ERVs in a Group

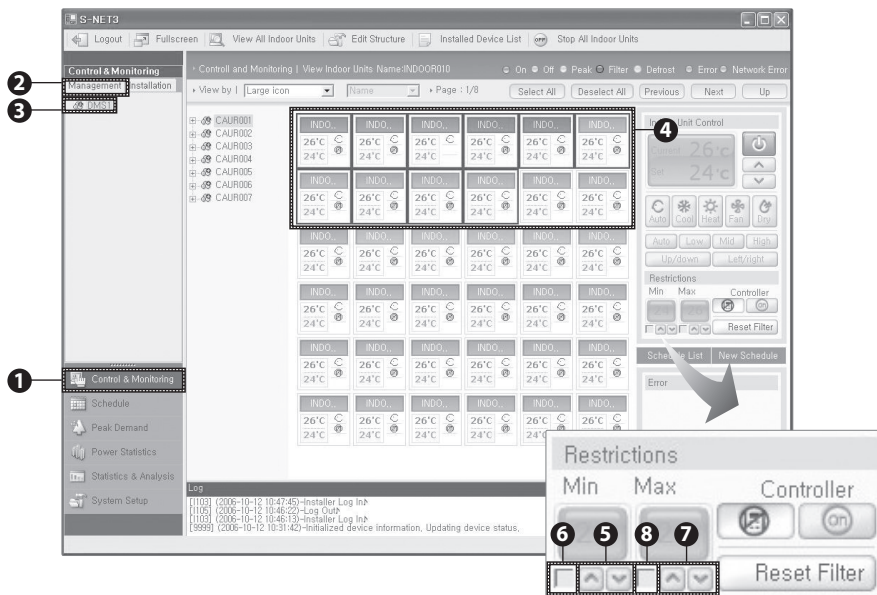


This function allows you to control the operation of all indoor units/ERVs in a group.

- 1 Click [Control & Monitoring] on the menu.
- 2 Click [Management] tab.
- 3 Select a top-level zone.
 - ◆ You can check all the trees of sub-level zones of the selected top-level zone.
- 4 Click [Select All].
 - ◆ You can check all of the subordinated indoor units/ERVs to the selected sub-level zone.
- 5 The selected indoor units/ERVs in the selected group are displayed blue.
 - ◆ The status of last selected indoor unit is displayed on the window.
 - ◆ Refer to [Controlling individual indoor units] to control multiple indoor units. (p34~35)
 - ◆ Refer to [Controlling individual ERV] to control multiple ERVs. (p37)
 - ◆ Click [Deselect All] or blank area on the screen to deselect all of the selected indoor units/ERVs.



Controlling (Continued)

Setting the Cooling/Heating Temperature



This function allows you to set the cooling/heating temperature.



- 1 Click [Control & Monitoring] on the menu.
- 2 Click [Management] tab.
- 3 Select a top-level zone.
 - ◆ You can check all the trees of sub-level zones of the selected top-level zone.
- 4 Select indoor units/ERVs to control on the list.
 - ◆ The status of selected indoor units/ERVs is displayed on the window.
 - ◆ Click [Select All] to select all indoor units/ERVs.
 - ◆ Click the indoor unit again to deselect.
 - ◆ Click [Deselect All] or blank area on the screen to deselect all of the selected indoor units/ERVs.

5 Click   to set minimum temperature.

- ◆ You can set the lowest temperature in cooling mode by S-NET 3.

6 Click .

- ◆ The minimum temperature in cooling mode is set in S-NET 3.
- ◆ It is restricted to set the minimum temperature for a user with wired/wireless remote controllers.

7 Click   to set maximum temperature.

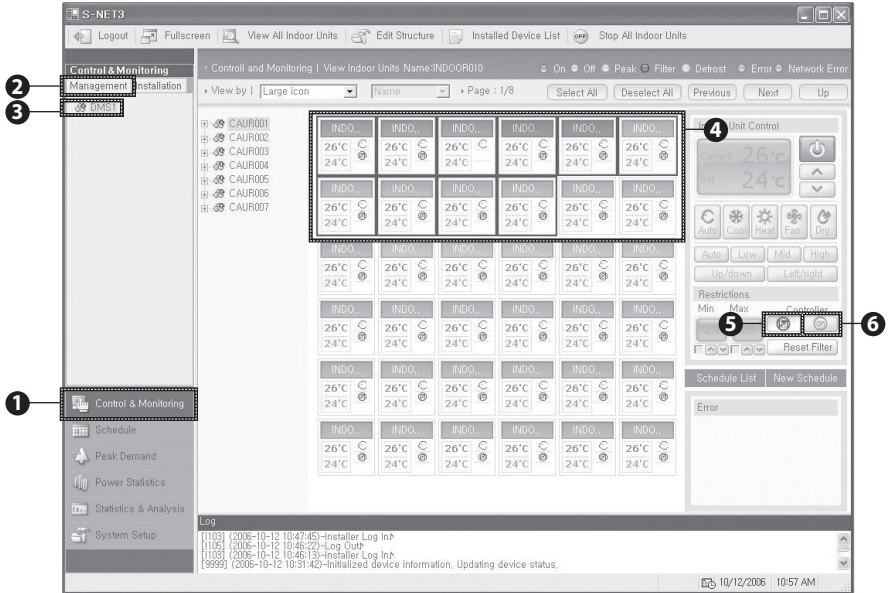
- ◆ You can set the highest temperature in heating mode by S-NET 3.

8 Click .



- ◆ The maximum temperature in heating mode is set in S-NET 3.
 - ◆ It is restricted to set the maximum temperature for a user with wired/wireless remote controllers.
-

Controlling (Continued)

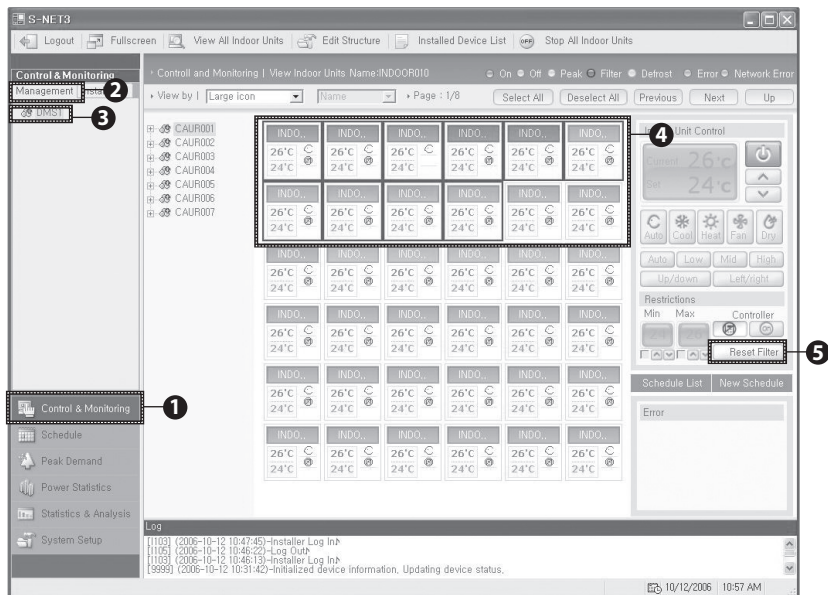
Controlling the Use of Wired/Wireless Remote Controllers



This function allows you to control the use of wired/wireless remote controllers.

- 1 Click [Control & Monitoring] on the menu.
- 2 Click [Management] tab.
- 3 Select a top-level zone.
 - ◆ You can check all the trees of sub-level zones of the selected top-level zone.
- 4 Select indoor units/ERVs to control on the list.
 - ◆ The status of selected indoor units/ERVs is displayed on the window.
 - ◆ Click [Select All] to select all indoor units/ERVs.
 - ◆ Click the indoor unit/ERV again to deselect.
 - ◆ Click [Deselect All] or blank area on the screen to deselect all of the selected indoor units/ERVs.
- 5 Click .
 - ◆ The use of wired/wireless remote controllers is prohibited.
- 6 Click .
 - ◆ If air conditioners are turned off with this restriction set, it is restricted to turn them on for a user. Users can freely access air conditioners only when the administrator turns the air conditioners on from S-NET 3.

Filter Reset



This function allows you to reset the accumulated filter usage hour value for indoor units that require filter cleaning.

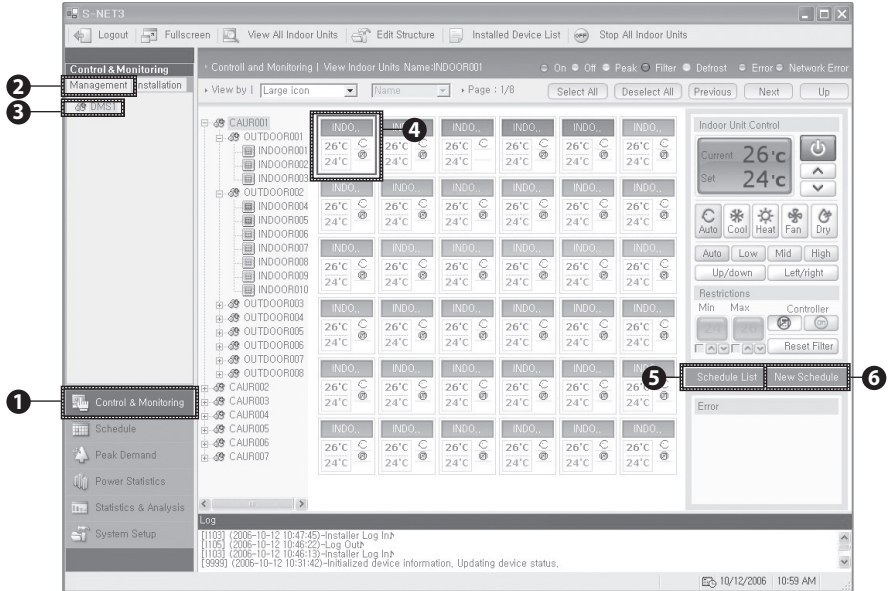
- 1 Click [Control & Monitoring] on the menu.
- 2 Click [Management] tab.
- 3 Select a top-level zone.
 - ◆ You can check all the trees of sub-level zones of the selected top-level zone.
- 4 Select indoor units/ERVs to control on the list.
 - ◆ The status of selected indoor units/ERVs is displayed on the window.
 - ◆ Click the indoor unit/ERV again to deselect.
 - ◆ Click [Deselect All] or blank area on the screen to deselect all of the selected indoor units/ERVs.
- 5 Click .
 - ◆ The usage hours of selected filter is initialized.

Note

The Filter Reset function simply resets the filter cleaning alert and does not automatically perform any filter cleaning. Use this function only after actually cleaning the filter.

Controlling (Continued)

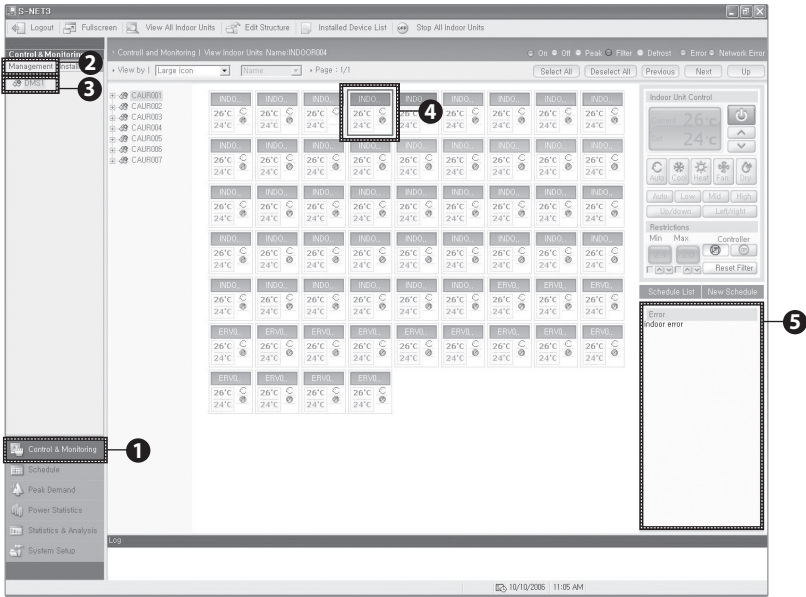
Viewing and Starting a Schedule



This function allows you to set schedules and displays currently available schedules for the selected indoor units.

- 1 Click [Control & Monitoring] on the menu.
- 2 Click [Management] tab.
- 3 Select a top-level zone.
 - ◆ You can check all the trees of sub-level zones of the selected top-level zone.
- 4 Select indoor units/ERVs to control on the list.
 - ◆ The status of selected indoor units/ERVs is displayed on the window.
 - ◆ Click [Select All] to select all indoor units/ERVs.
 - ◆ Click the indoor unit/ERV again to deselect.
 - ◆ Click [Deselect All] or blank area on the screen to deselect all of the selected indoor units/ERVs.
- 5 Click [Schedule List].
 - ◆ You can check the schedule list of selected indoor units/ERVs. In this case, the number of the selected indoor units/ERVs should be only one.
- 6 Click [New Schedule].
 - ◆ New schedule wizard window is displayed.
 - ◆ Refer to [Creating New Schedules] for further information. (p54~58)

Checking the Errors

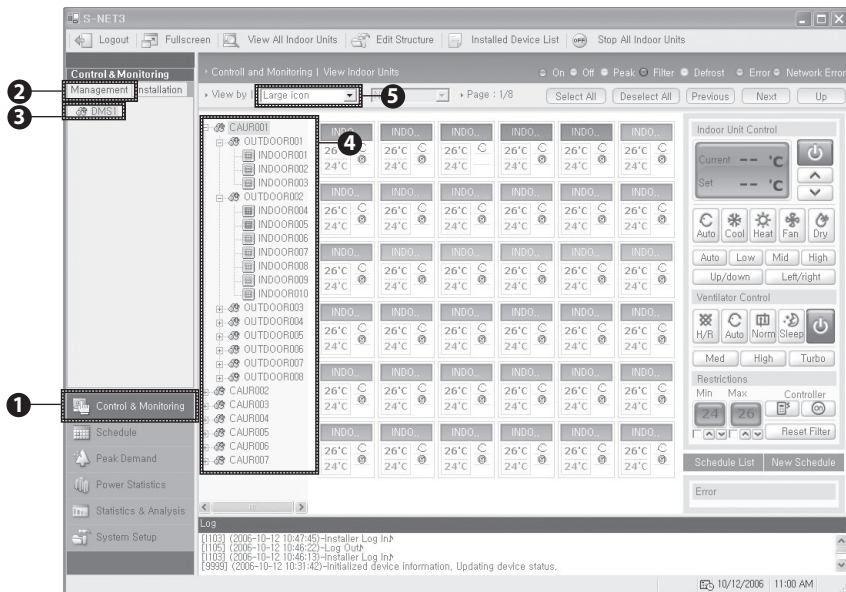


This function allows you to check errors of indoor units/ERVs.


- 1 Click [Control & Monitoring] on the menu.
- 2 Click [Management] tab.
- 3 Select a top-level zone.
 - ◆ You can check all the trees of sub-level zones of the selected top-level zone.
- 4 Select indoor units/ERVs to check on the list.
- 5 The error of selected indoor unit/ERV is displayed.
 - ◆ If you select many indoor units/ERVs, the last selected one would be displayed.

Monitoring

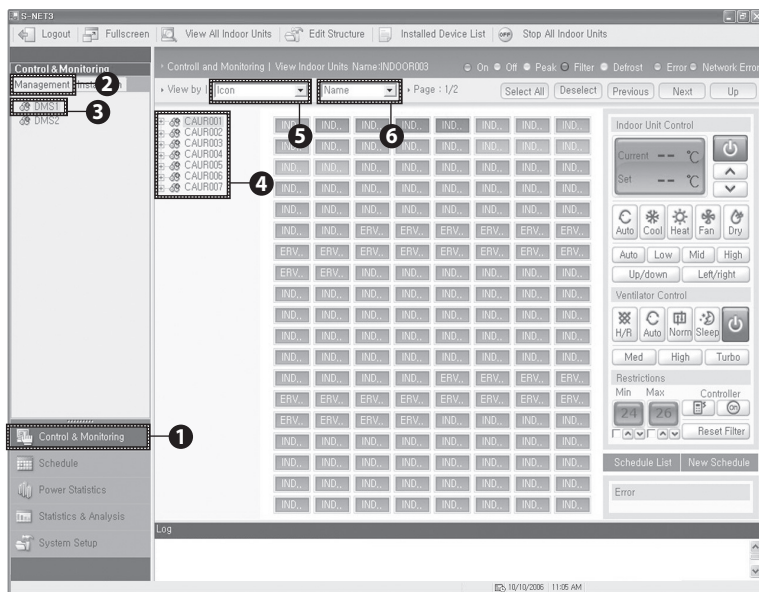
Monitoring By Large Icon





This function allows you to monitor the status of indoor units/ERVs by large icons.

- 1 Click [Control & Monitoring] on the menu.
- 2 Click [Management] tab.
- 3 Select a top-level zone.
 - ◆ You can check all the trees of sub-level zones of the selected top-level zone.
- 4 Select a list of sub-level zone to monitor on the list.
 - ◆ The list of all indoor units/ERVs in the selected sub-level zone is displayed.
- 5 Click  and select [Large icon].
 - ◆ The screen is displayed by large icons.

Monitoring By Icon

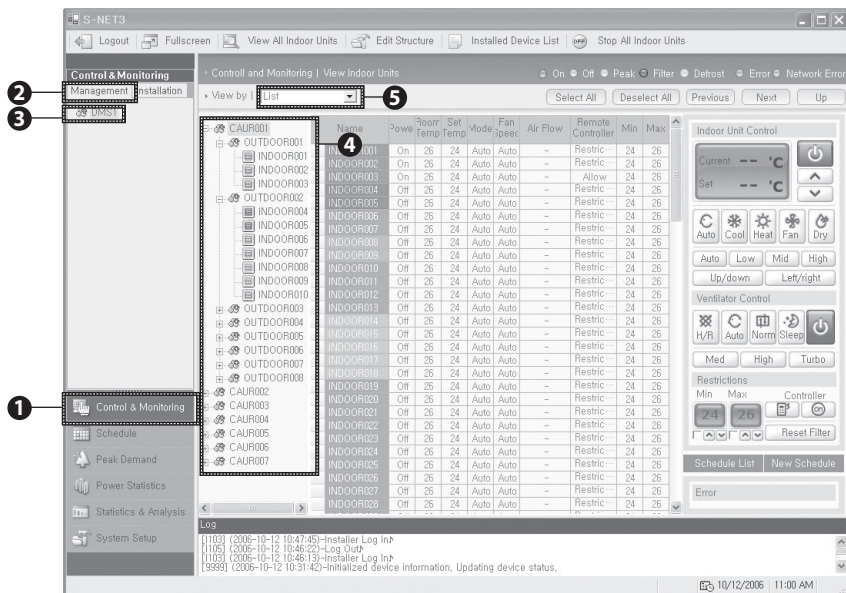


This function allows you to monitor the status of indoor units/ERVs by icons.


- 1 Click [Control & Monitoring] on the menu.
- 2 Click [Management] tab.
- 3 Select a top-level zone.
 - ◆ You can check all the trees of sub-level zones of the selected top-level zone.
- 4 Select a list of sub-level zone to monitor on the list.
 - ◆ The list of all indoor units/ERVs in the selected sub-level zone is displayed.
- 5 Click  and select [Icon].
- 6 Click  and select viewing option.
 - ◆ Six options are available:
[Name], [Current Temperature], [Set Temperature],
[Operation Mode], [Restriction].
 - ◆ The screen is displayed by the selected option.

Monitoring (Continued)

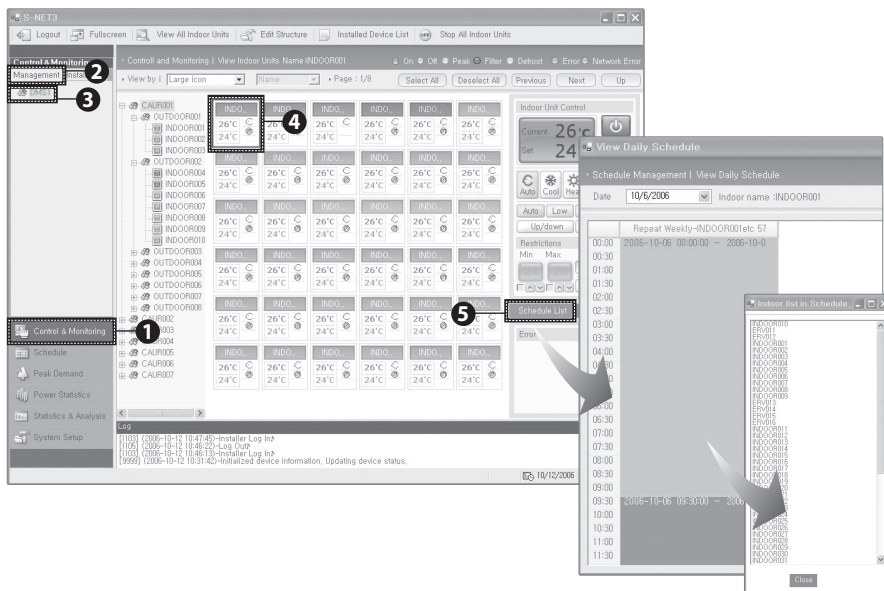
Monitoring By List



This function allows you to monitor the status of indoor units/ERVs by list.

- 1 Click [Control & Monitoring] on the menu.
- 2 Click [Management] tab.
- 3 Select a top-level zone.
 - ◆ You can check all the trees of sub-level zones of the selected top-level zone.
- 4 Select a list of sub-level zone to monitor on the list.
 - ◆ The list of all indoor units/ERVs in the selected sub-level zone is displayed.
- 5 Click  and select a list.
 - ◆ Name, Power, Room Temperature, Set Temperature, Mode, Air Flow, Fan Speed, Minimum Temperature and Maximum Temperature are displayed.

Monitoring Schedules of Indoor Units

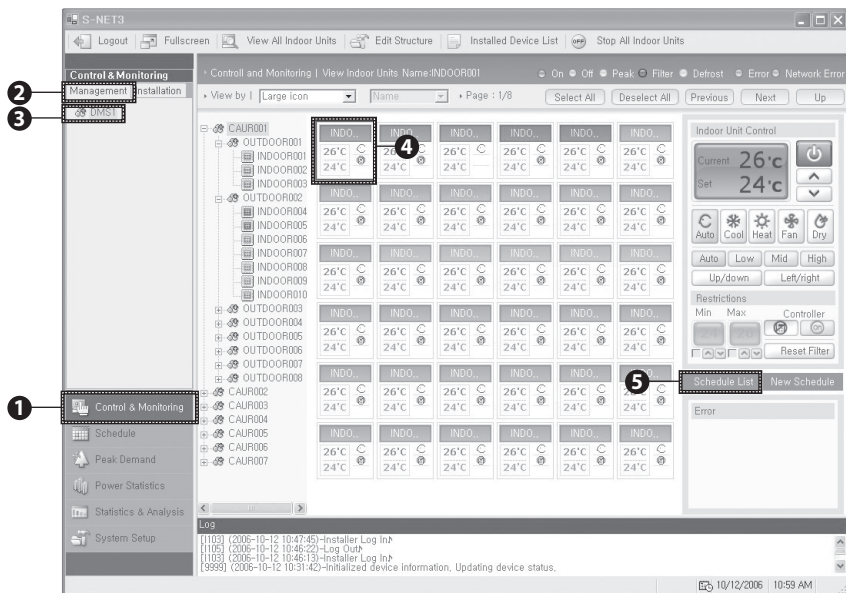


This function allows you to monitor the scheduled operating information for the currently selected indoor units.

- 1 Click [Control & Monitoring] on the menu.
- 2 Click [Management] tab.
- 3 Select a top-level zone.
 - ◆ You can check all the trees of sub-level zones of the selected top-level zone.
- 4 Select an indoor unit/ERV to monitor on the list.
 - ◆ The list of all indoor unit in the sub-level zone is displayed.
 - ◆ You should select only one indoor unit to check the schedule.
 - ◆ Click the indoor unit/ERV again to deselect.
- 5 Click [Schedule List].
- 6 Check the list.

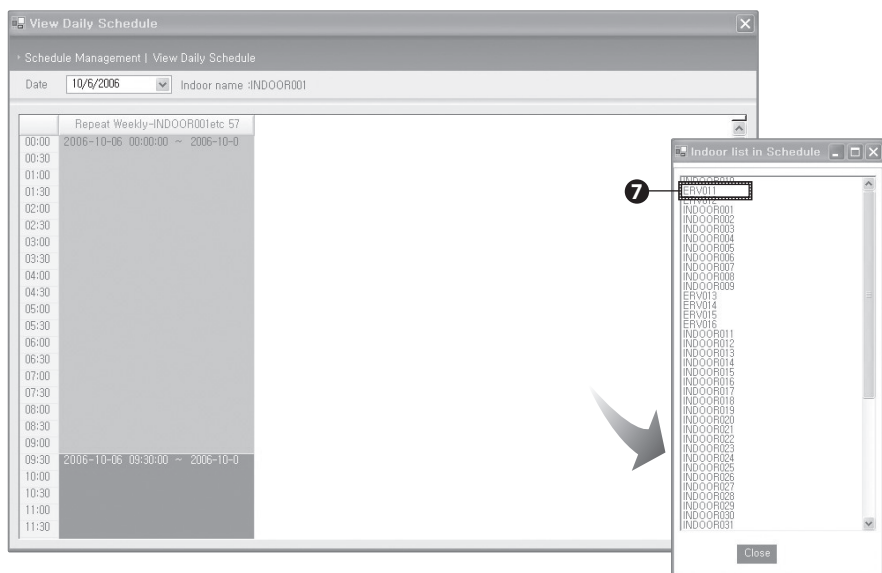
Monitoring (Continued)

Monitoring Indoor Unit Operating Information




This function allows you to monitor the operating information for the selected indoor units.

- 1 Click [Control & Monitoring] on the menu.
- 2 Click [Management] tab.
- 3 Select a top-level zone.
 - ◆ You can check all the trees of sub-level zones of the selected top-level zone.
- 4 Select an indoor unit/ERV to monitor on the list.
 - ◆ The list of all indoor unit in the sub-level zone is displayed.
 - ◆ You should select only one indoor unit to check the schedule.
 - ◆ Click the indoor unit again to deselect.
- 5 Click [Schedule List].



6 Check the operating information of the day on the window.

◆ Click  to change the date.

7 Double-click the pertinent schedule on the window.

◆ The list of every indoor unit which is set by the pertinent schedule is displayed.

Note *This function displays the information of currently operating indoor units only. The information of inactive indoor units is not displayed.*

Monitoring (Continued)

Monitoring DMS/Peak Controller/Centralized Controller/ Power Interface Module Operating Information

[Control & Monitoring]

[DMS(127.0.0.1)]

DMS Status	Connected
Program Version	1.1.0
Last Tracking Date	2006-10-12 09:50:45
Master / Slave	Slave

[Controller/Interface Module List]

Address	Device_Type	Model	Program Version	Connection Status
00	Centralized Controller	NoDefine	NoDefine	Error
01	Centralized Controller	NoDefine	NoDefine	OK
02	Centralized Controller	NoDefine	NoDefine	OK
03	Centralized Controller	NoDefine	NoDefine	OK
04	Centralized Controller	NoDefine	NoDefine	OK
05	Centralized Controller	NoDefine	NoDefine	OK
06	Centralized Controller	NoDefine	NoDefine	OK
16	Peak Control Repeater	NoDefine	NoDefine	Error
17	Power Interface Mod...	NoDefine	NoDefine	OK
18	Power Interface Mod...	NoDefine	NoDefine	Error
19	Power Interface Mod...	NoDefine	NoDefine	OK
20	Power Interface Mod...	NoDefine	NoDefine	OK
21	Power Interface Mod...	NoDefine	NoDefine	OK
22	Power Interface Mod...	NoDefine	NoDefine	OK
23	Power Interface Mod...	NoDefine	NoDefine	OK

Log

[1103] (2006-10-12 10:47:45)-Installer Log In
[1105] (2006-10-12 10:46:22)-Log Out
[1103] (2006-10-12 10:46:13)-Installer Log In
[9999] (2006-10-12 10:31:42)-Initialized device information, Updating device status.

10/12/2006 11:04 AM

This function allows you to monitor the status of DMS and the status of centralized controller, peak controller and power interface module connected to the DMS.

- 1 Click [Control & Monitoring] on the menu.
- 2 Click [Management] tab.
- 3 Select DMS to monitor.
 - ◆ DMS→Centralized Controller→Peak Controller→Power Interface Module→Outdoor Units→Indoor Units are displayed in order.
- 4 Check the operating information.
 - ◆ The status of DMS, centralized controller, power interface module, and peak controller is displayed.

Monitoring Outdoor Unit Operating Information

Control & Monitoring

Management Installation

[Outdoor Unit] : DMS1-00.00

Temperature:°C Pressure:Kg/㎠G

Compressor Status	Start	Oil Temperature	41
Compressor Mode	Off	Suction Temperature	51
Condenser Temp.	31	Low Pressure	10.1
Output Temperature	100	High Pressure	19.3
Condenser Outlet Temp.	1	Outdoor Temperature	11
Motor Valve Position	2000	Error	
Outdoor Unit Model	NoDefine	Outdoor Unit Version	NoDefine
I/M Model	NoDefine	I/M Version	NoDefine

Indoor Unit List

Main Address	RMC Addr.	Zone	Mode	Room Temp.	Chiller Inlet Temp.	Outlet Temp.	Pressure Valve Position	Failure Status	Power Demand	Model
00.00.04	00...	On	A...	26	15	15	480	3000		1way ceiling type
00.00.05	00...	On	A...	26	15	15	480	3000		1way ceiling type
00.00.06	00...	On	A...	26	15	15	480	3000		1way ceiling type

Indoor Unit Control

Current: -- °C
Set: -- °C

Auto Cool Heat Fan Dry

Up/down Left/right

Ventilator Control

H/R Auto Norm Sleep

Med High Turbo

Restrictions

Min Max Controller

25 25

Reset Filter

Schedule List **New Schedule**

Error

Log

(1103) (2006-10-12 10:47:45)-Installer Log In
(1105) (2006-10-12 10:46:22)-Log Out
(1103) (2006-10-12 10:46:13)-Installer Log In
(9999) (2006-10-12 10:31:42)-Initialized device information, Updating device status.

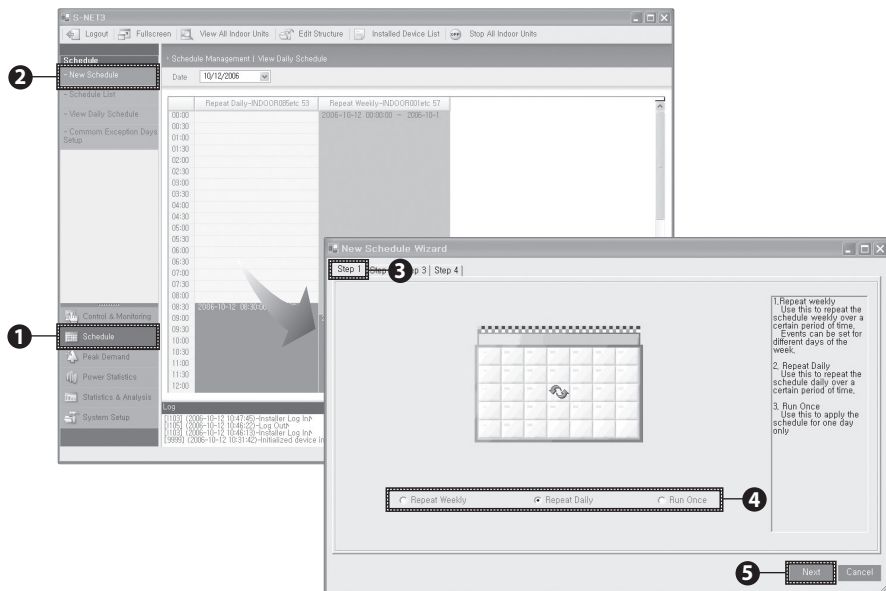
10/12/2006 11:05 AM

This function allows you to monitor the operating information for the selected outdoor units.

- Click [Control & Monitoring] on the menu.
- Click [Management] tab.
- Select DMS to monitor.
 - ◆ DMS → Centralized Controller → Peak Controller → Power Interface Module → Outdoor Units → Indoor Units are displayed in order.
- Select an outdoor unit.
 - ◆ The cycle information for the outdoor unit and its indoor units are displayed.
 - ◆ You may control indoor units either individually or collectively.

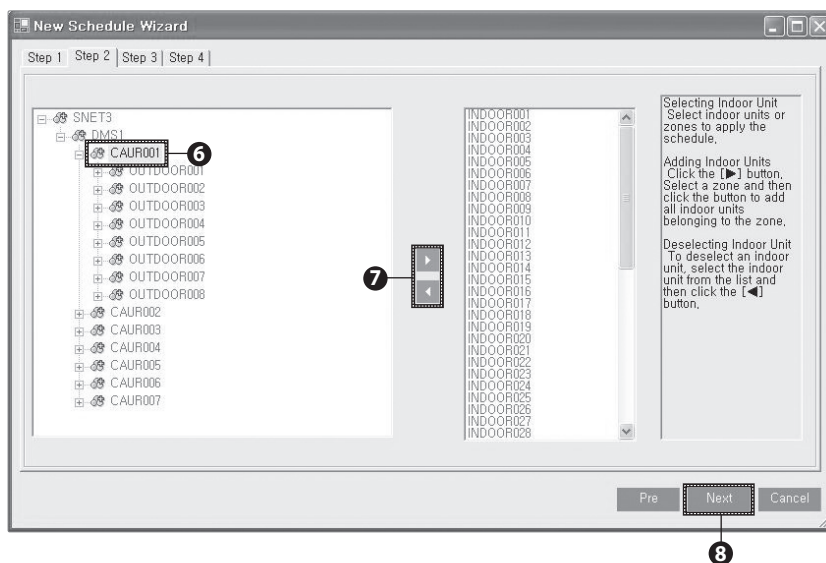
Schedule Management

Creating New Schedules




This function allows the administrator to add schedules for indoor units/ERVs.

- 1 Click [Schedule] on the menu.
- 2 Click [New Schedule] on the sub-menu.
- 3 Click [Step 1] tab.
- 4 Select a repetition cycle.
 - ◆ Three cycles are available:
[Repeat Weekly], [Repeat Daily], [Run Once].
- 5 Click [Next].
 - ◆ New schedule wizard window for step 2 appears.



6 Select a zone or indoor units to apply the schedule.

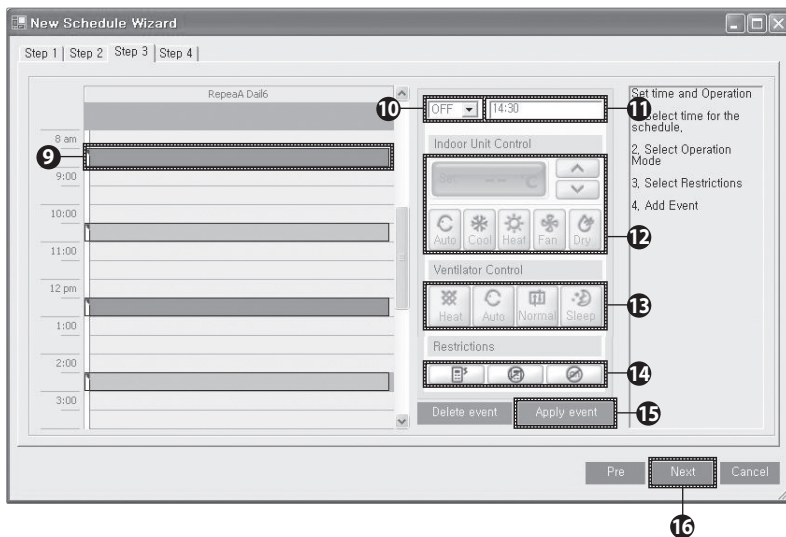
7 Click .

- ◆ The selected zone or indoor units are added.
- ◆ Click  to deselect the zone or indoor units from the list.

8 Click [Next].

- ◆ New schedule wizard window for step 3 appears.

Schedule Management (Continued)



9 Select time for the schedule.


10 Select an operation mode of indoor units or ERVs.

- ◆ Specify whether to turn the indoor units or ERVs on or off at the specified time. The default value is On.

11 Set the time you selected by clicking the time table.

- ◆ Directly modify the time value to specify the time in a more detailed manner.

12 Set the temperature and select an operation mode for the selected indoor units.

- ◆ Click  to set the temperature.
- ◆ Five modes are available:
[Auto], [Cool], [Heat], [Fan], [Dry].

13 Select an operating mode for the selected ERVs.

- ◆ Four modes are available:
[H/R], [Auto], [Norm], [Sleep].

14 Set wired/wireless remote controller restriction.

- ◆ Three options are available:
[Restriction of wired/wireless remote controllers],
[Restriction of [On] button on wired/wireless remote
controllers], [Setting the temperature].

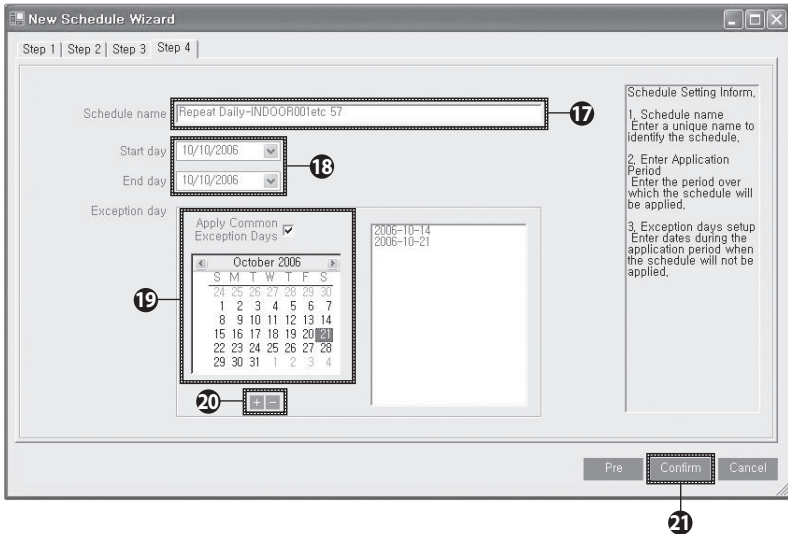
15 Click [Apply event].

- ◆ Click [Delete event] to delete the specified schedule.

16 Click [Next].

- ◆ New schedule wizard window for step 4 appears.
-

Schedule Management (Continued)



17 Enter a name of the schedule.

- ◆ A default name value is used in the format of 'Repetition cycle - name of first indoor unit and number of indoor units'.


18 Click to select the start/end date.

- ◆ Start day must be before the end day.
- ◆ If the repetition cycle is set to [Run Once], both of the dates must be the same.

19 Select a common exception day.

- ◆ Click ☒ on [Apply Common Exception Days] to set common exception days.

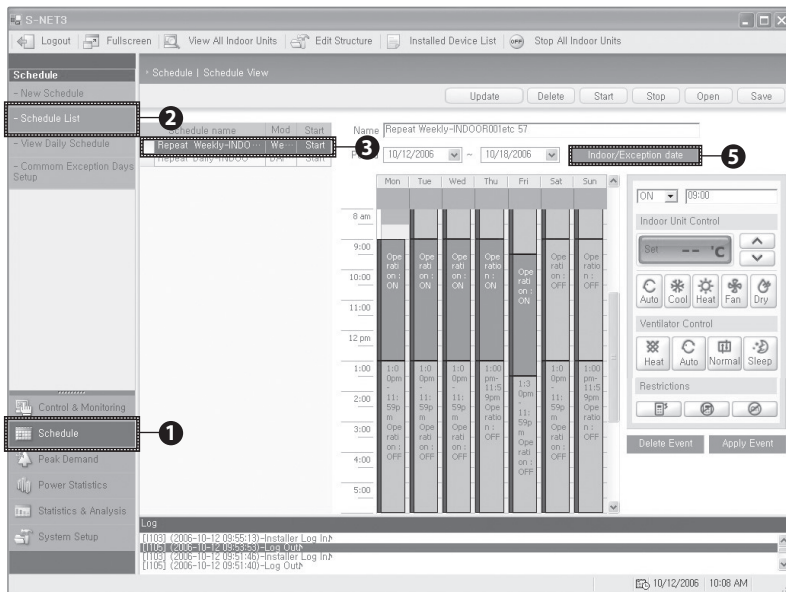
20 Click .

- ◆ The common exception day is applied.
- ◆ You can double-click the exception day to apply as well.
- ◆ Click  to delete the common exception days.

21 Click [Confirm].

- ◆ The schedule creation process is completed.
- ◆ Click [Pre] to go back to the previous step.
- ◆ Click [Cancel] to cancel creating the schedule.

Viewing Schedules

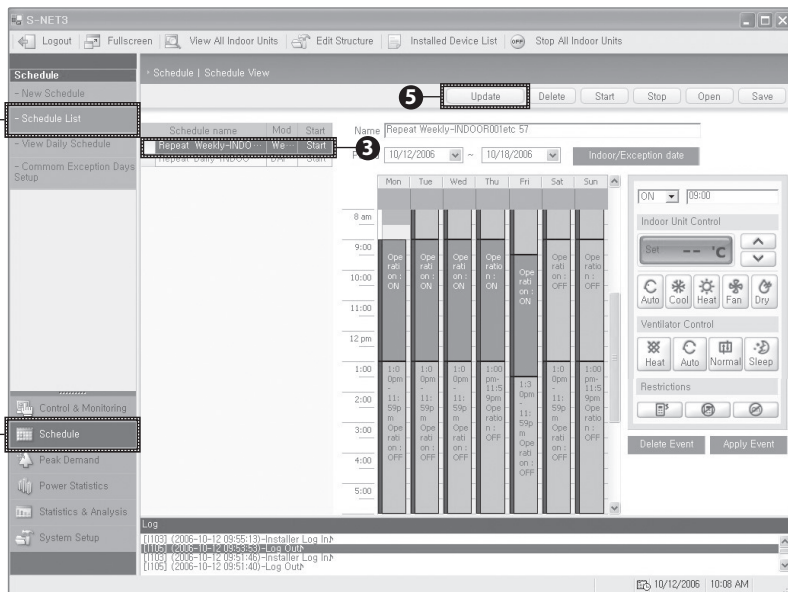


This function allows the administrator to view schedules for indoor units/ERVs.

- 1 Click [Schedule] on the menu.
- 2 Click [Schedule List] on the sub-menu.
- 3 Select a schedule to view.
 - ◆ You can search the schedule with either the name or period.
- 4 Check the schedule.
- 5 Click [Indoor/Exception date] to check the exception days.
 - ◆ You can modify the exception days.
Refer to [Creating New Scheduler] for further information. (p58)

Schedule Management (Continued)

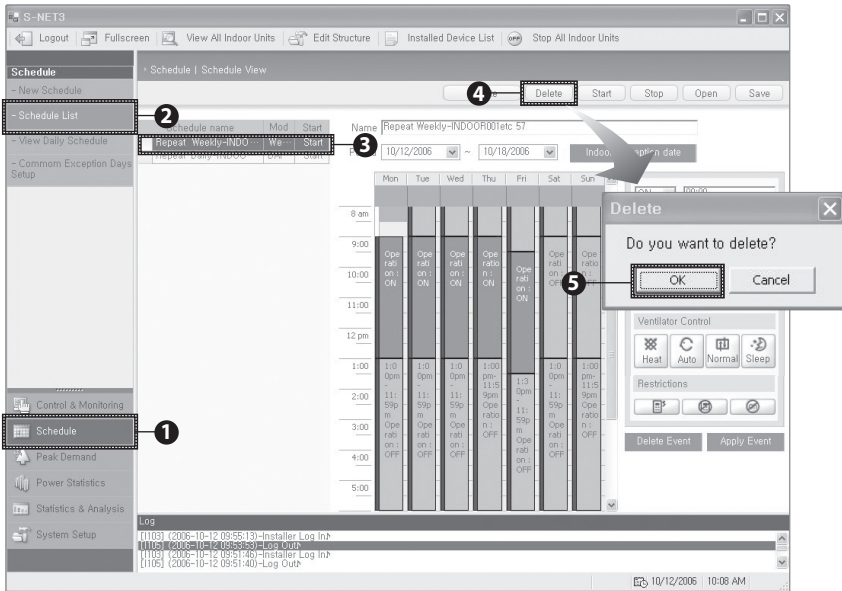
Editing Schedules



This function allows the administrator to edit schedule settings of the scheduled events.

- 1 Click [Schedule] on the menu.
- 2 Click [Schedule List] on the sub-menu.
- 3 Select a schedule to edit.
 - ◆ You can search the schedule with either the name or period.
- 4 Edit the schedule.
 - ◆ Refer to [Creating New Schedules] for further information. (p54~58)
- 5 Click [Update].
 - ◆ The edited schedule is saved.

Deleting Schedules

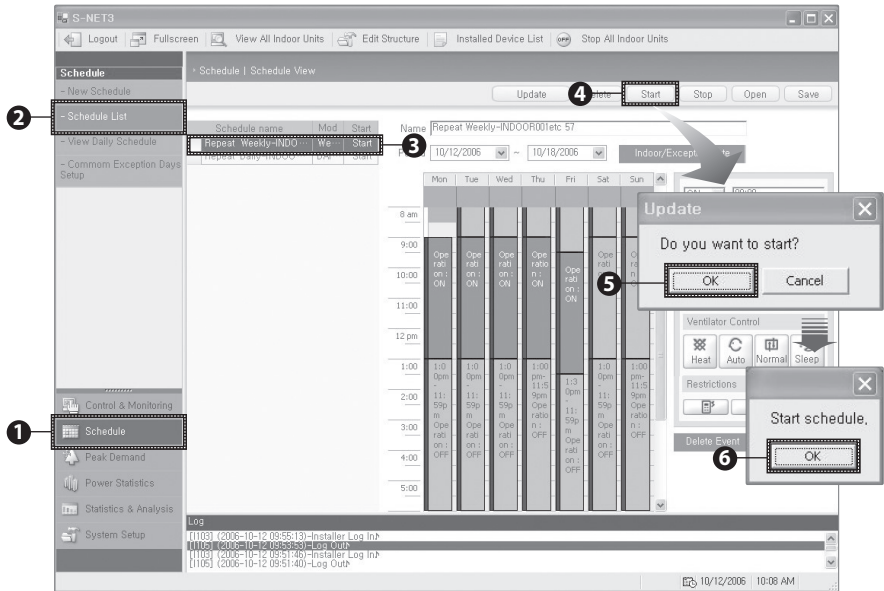


This function allows the administrator to delete schedules.

- 1 Click [Schedule] on the menu.
- 2 Click [Schedule List] on the sub-menu.
- 3 Select a schedule to delete.
 - ◆ You can search the schedule with either the name or period.
 - ◆ Hold down [Ctrl] and [Shift], and select the left column to select multiple schedules.
- 4 Click [Delete].
- 5 Click [OK] in the information window.
 - ◆ The selected schedule is deleted.

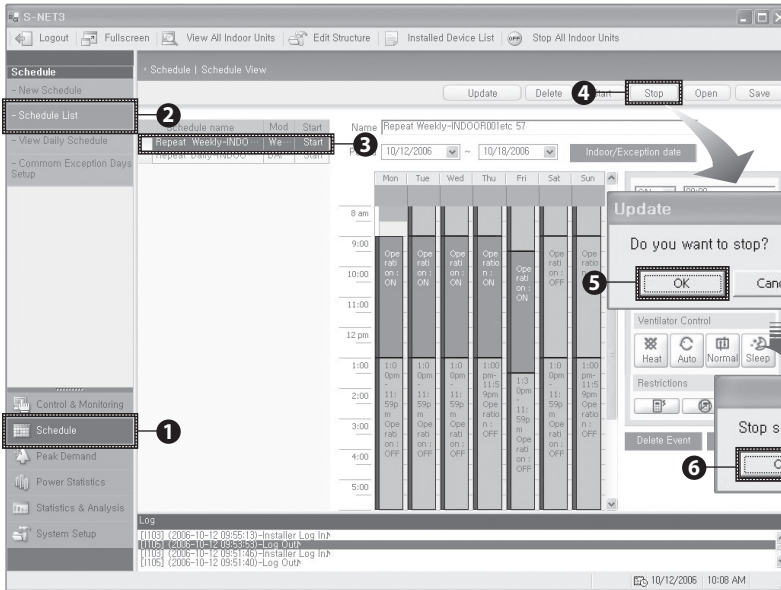
Schedule Management (Continued)

Starting Schedules



This function allows the administrator to start schedules. Once a schedule is started, the specified events are applied to the indoor units for automatic control.

- 1 Click [Schedule] on the menu.
- 2 Click [Schedule List] on the sub-menu.
- 3 Select a schedule to start.
 - ◆ You can search the schedule with either the name or period.
 - ◆ Hold down [Ctrl] and [Shift], and select the left column to select multiple schedules.
- 4 Click [Start].
- 5 Click [OK] on the update window.
- 6 Click [OK].
 - ◆ The selected schedule is started.
 - ◆ Once the schedule starts, the operation column on the schedule list changes to [In Use].

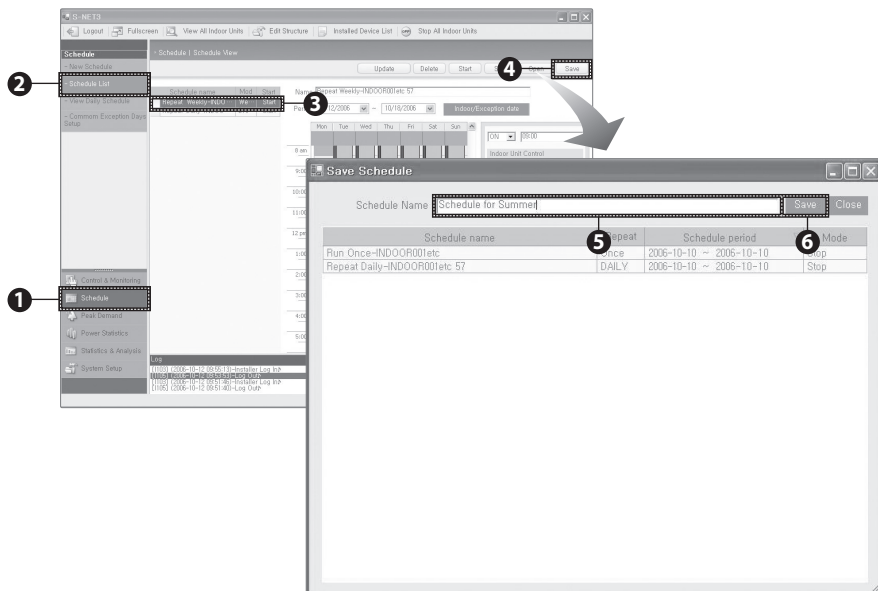


This function allows the administrator to stop the schedules. Once a schedule is stopped, all event assigned to it stop.

- 1 Click [Schedule] on the menu.
- 2 Click [Schedule List] on the sub-menu.
- 3 Select a schedule to stop.
 - ◆ You can search the schedule with either the name or period.
 - ◆ Hold down [Ctrl] and [Shift], and select the left column to select multiple schedules.
- 4 Click [Stop].
- 5 Click [OK] on the Update window.
- 6 Click [OK].
 - ◆ The selected schedule is stopped.

Schedule Management (Continued)

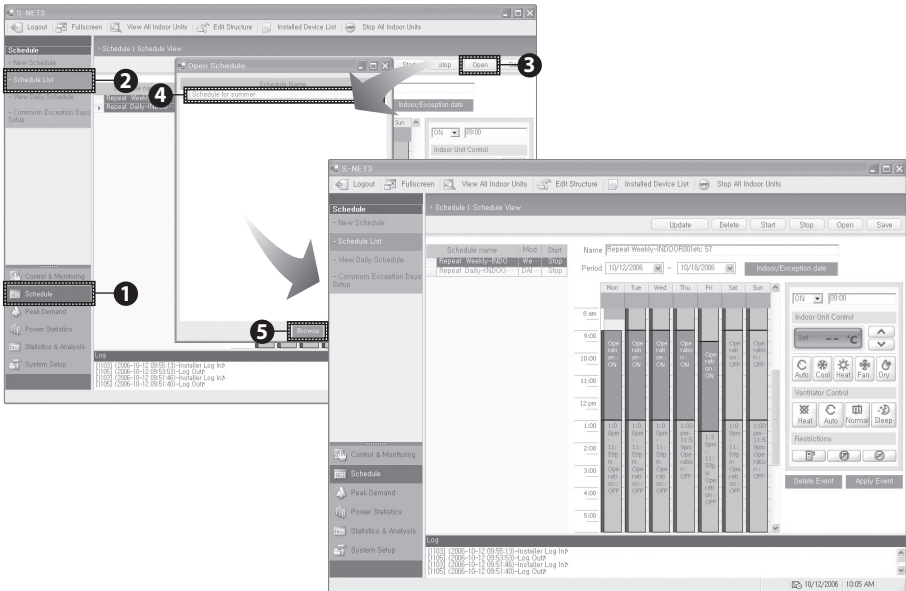
Saving Schedules



This function allows the administrator to save schedules. You can save currently interactive schedules to reuse them later. You can save multiple schedules at one time as well.

- 1 Click [Schedule] on the menu.
- 2 Click [Schedule List] on the sub-menu.
- 3 Select a schedule to save.
 - ◆ You can search the schedule with either the name or period.
 - ◆ Hold down [Ctrl] and [Shift], and select the left column to select multiple schedules.
- 4 Click [Save].
- 5 Enter the name of the schedule to save.
- 6 Click [save].
 - ◆ The selected schedule is saved.
 - ◆ Click [Close] to close the window.

Opening Schedules

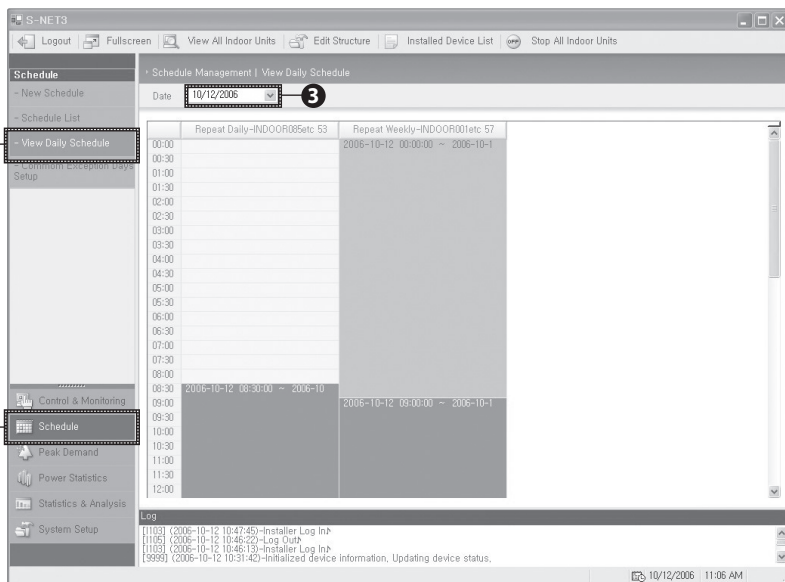


This function allows you to open a saved schedule. When you open the schedule, it is restored to its saved condition.


- 1 Click [Schedule] on the menu.
- 2 Click [Schedule List] on the sub-menu.
- 3 Click [Open] on the window.
- 4 Select a schedule to open.
- 5 Click [Browse].
 - ◆ The schedule is opened. The status of the newly opened schedule is "Not in Use".
 - ◆ You can double-click the schedule to open as well.

Schedule Management (Continued)

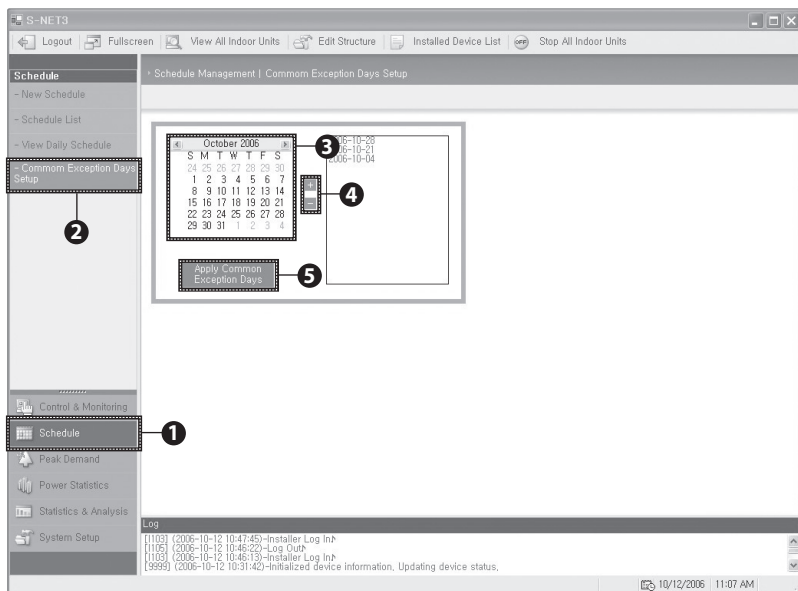
Viewing Daily Schedules





This function allows you to view today's schedule by default.

- 1 Click [Schedule] on the menu.
- 2 Click [View Daily Schedule] on the sub-menu.
- 3 Click  to select the operating date.
 - ◆ The schedule of selected date is displayed.
 - ◆ The first schedule is for today's.
Inactive schedules are not included on the list.

Applying Common Exception Days



This function allows you to set common exception days that are commonly applied to a new schedule.

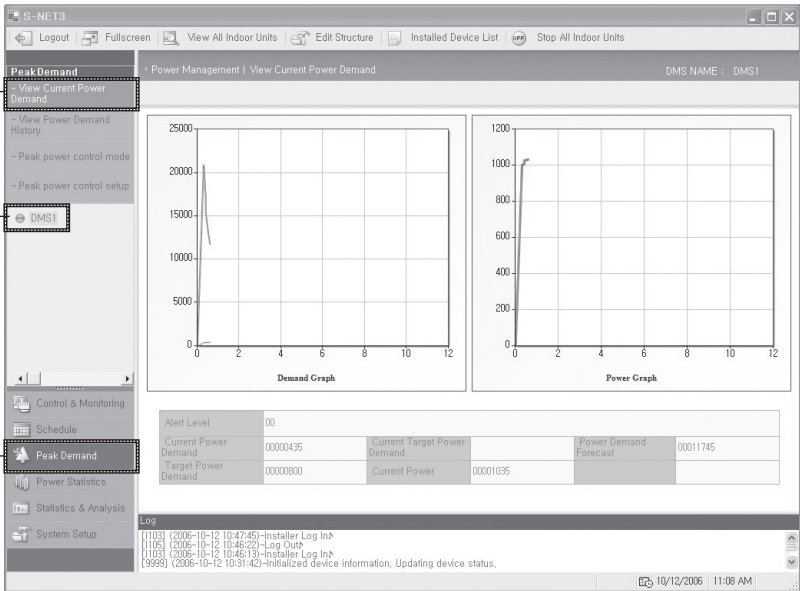
- 1 Click [Schedule] on the menu.
- 2 Click [Common Exception Days Setup] on the sub-menu.
- 3 Select a date to set as a common exception day.
- 4 Click  .
 - ◆ The selected date is added as the common exception day. You can double-click the date to set a common exception day as well.
 - ◆ Click  to delete the date.
- 5 Click [Apply Common Exception Days].
 - ◆ The common exception day is saved.

Note

Any changes to common exception days do not affect previously created schedule. To apply the common exception days to the pervious schedule, you should modify the exception days referring to [Creating New Schedules]. (p58)

Peak Power Management

Viewing Current Power Demand



This function allows you to check the control status of the current power demand controller real-time by each DMS.

- 1 Click [Peak Demand] on the menu.
- 2 Click [View Current Power Demand] on the sub-menu.
- 3 Select DMS to monitor from the list.
 - ◆ Only the DMS with peak interface modules is listed.

-
- 4 Check the power demand table, current power demand graph and current power graph of the selected DMS.
- ◆ The current power demand graph is displayed by both power demand forecast and current power demand. However, the current power graph is displayed by current power only.
-

Note

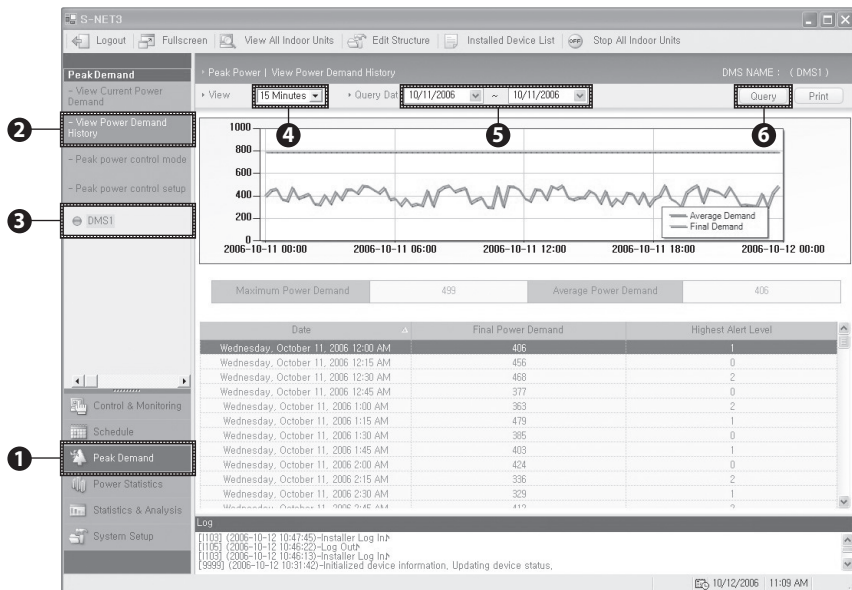
- ◆ *Peak Power Management is a special management method that achieves cost reduction and ensures stable power supply through guiding the power consumption pattern at the lowest possible costs. Samsung Electronics provides a peak power control solution that manages the peak power in connection with maximum power demand controllers. Refer to the specifications of corresponding Peak Power Controller.*
- ◆ *The demand power menu is displayed when DMS is connected to peak interface modules. If the [Peak Power] menu does not appear on the main menu, check that the DMS is properly tracking and communicating with the peak power interface module.*

Caution

- ◆ *All settings under the [Peak Demand] menu should be adjusted by a qualified administrator or installer. Be careful when dealing with these settings, as inappropriate setting values can cause the demand controller to exceed the target power demand.*
- ◆ *All functions under the [View Current Power Demand], [View Power Demand History], and [Peak Power Control Mode] menus only work with peak interface modules set as the 485 type. Contact-type peak interface modules do not support the above functions.*



Peak Power Management (Continued)

Viewing Power Demand History



This function allows you to check the demand history.

- 1 Click [Peak Demand] on the menu.
- 2 Click [View Power Demand History] on the sub-menu.
- 3 Select DMS to monitor from the list.
 - ◆ Only the DMS with peak interface modules is listed.

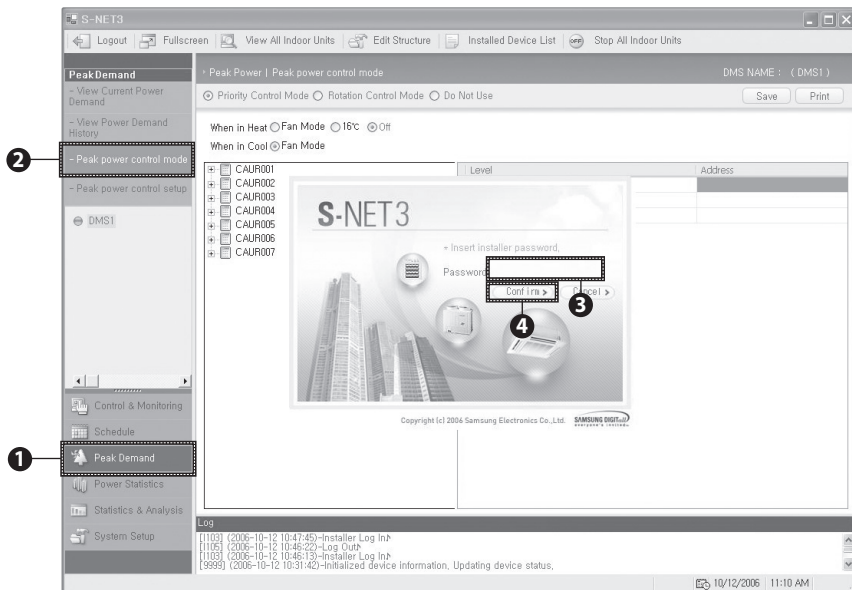
-
- 4 Click  to select viewing option.
- ◆ Two options are available: [15 Minutes], [Daily].
-
- 5 Click  to select the queried date.
- ◆ 15 Minutes: Queries the power demand history for the last 4 months.
 - ◆ Daily: Queries the power demand history for the last 2 years.
-
- 6 Click [Query].
- ◆ You can check power demand history graph, maximum power demand and average power demand for the check date and power demand history table.
 - ◆ Click [Print] to print out the queried data.
-

Caution

***You can get the information through DMS for 2 months.
If you do not connect to DMS over 2 months, you can not
check the information which is 2 months ago.***

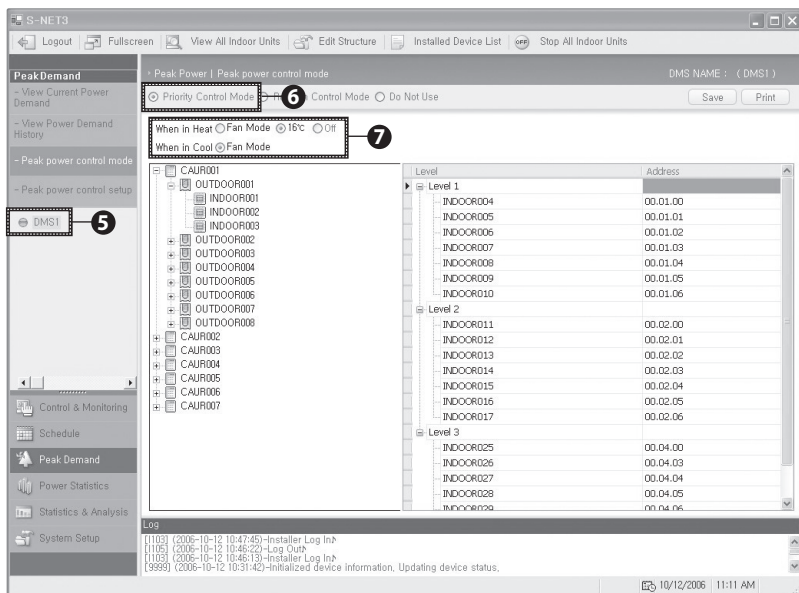
Peak Power Management (Continued)

Priority Control Mode



Different groups of indoor units can be selected for peak power management. This function allows you to set the priority level for each indoor units.

- 1 Click [Peak Demand] on the menu.
- 2 Click [Peak power control mode] on the sub-menu.
- 3 Enter the installer password on the insert password window.
 - ◆ Only the installer can set the peak power control mode.
- 4 Click [Confirm>].
 - ◆ The peak power control setting window appears.
 - ◆ Click [Cancel>] to cancel entering the installer password.



5 Select DMS to set.

6 Click [Priority Control Mode].

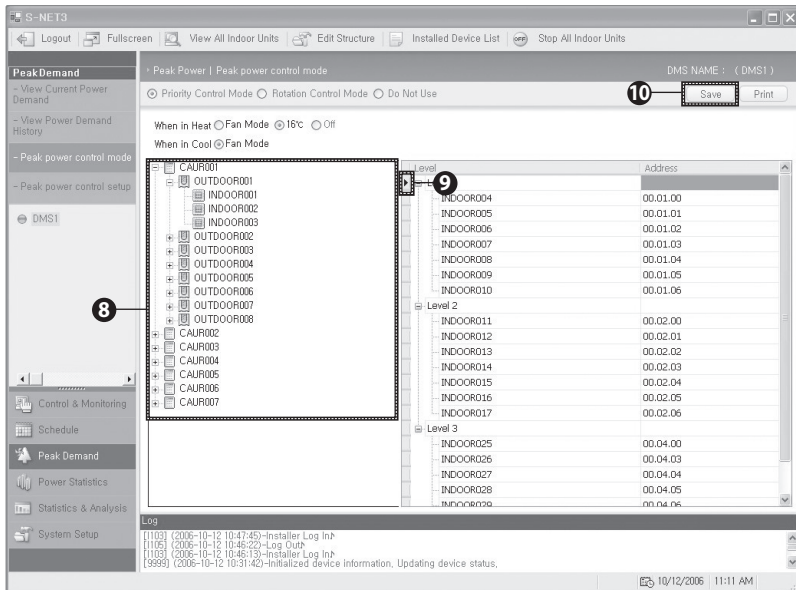
7 Select the operation mode to use.

- ◆ When in Heat Mode: [Fan Mode], [16°C], [Off].
- ◆ When in Cool Mode: [Fan Mode].

Note

The Priority Control Mode is a peak power operation mode that assigns indoor units to Levels 1, 2 and 3 or none and operates the respective indoor units when the power level at the peak interface module reaches any of the preset levels.

Peak Power Management (Continued)



8 Select a group/indoor unit on the left tree.

9 Click .

- ◆ You can drag the name and move it as well.
- ◆ All indoor units belonging to the group are applied the level at the same time.
- ◆ By default, all indoor units are not assigned to any levels.

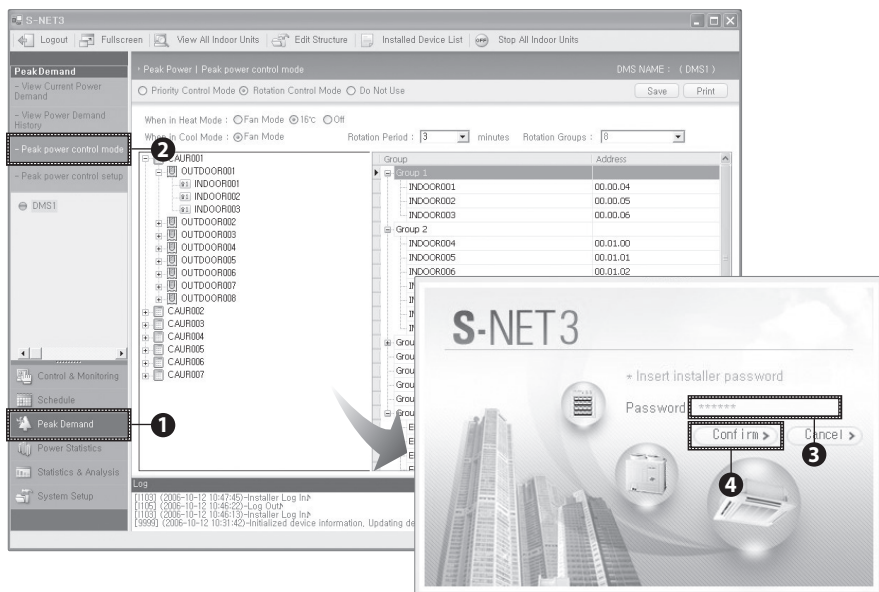
10 Click [Save].

- ◆ The priority information is saved in S-NET 3.
- ◆ Click [Print] to print out the peak power management report.

Caution

- ◆ **While the Priority Control Mode is set, you cannot select the Rotation Control Mode. If you select the Priority Control Mode while using the Rotation Control Mode, the previous mode is canceled.**
- ◆ **Network error is not applied though the actual status is in error. You should request the information to DMS.**
- ◆ **Peak Power Management is designed to operate either in the Priority Control Mode or in the Rotation Control Mode. Different groups of indoor units can be selected for peak power management depending on the priority control level or the rotation control class.**

Rotation Control Mode

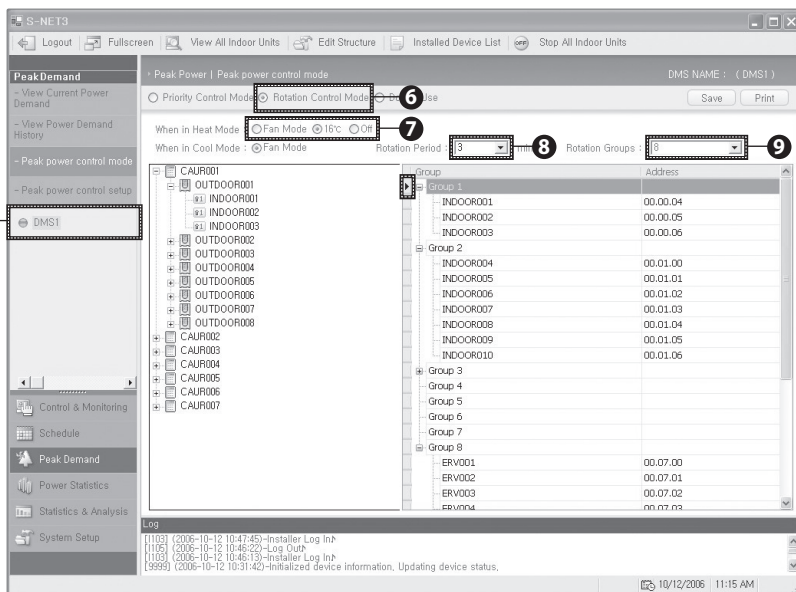


Different groups of indoor units can be selected for peak power management. This function allows you to set the rotation level for each indoor unit.

- 1 Click [Peak Demand] on the menu.
- 2 Click [Peak power control mode] on the sub-menu.
- 3 Enter the installer password on the insert password window.
 - ◆ Only the installer can set the peak power control mode.
- 4 Click [Confirm>].
 - ◆ The peak power control setting window appears.
 - ◆ Click [Cancel>] to cancel entering the installer password.

Note *The Rotation Control Mode is an energy saving function that operates each class in rotation according to the alert level at the peak interface module. The higher the alert level, the more classes will be put on energy-saving operation.*

Peak Power Management (Continued)



5 Select DMS to set.

- ◆ Only the DMS which work with peak interface modules is displayed on the list.

6 Click [Rotation Control Mode].

7 Select the operation mode to use.

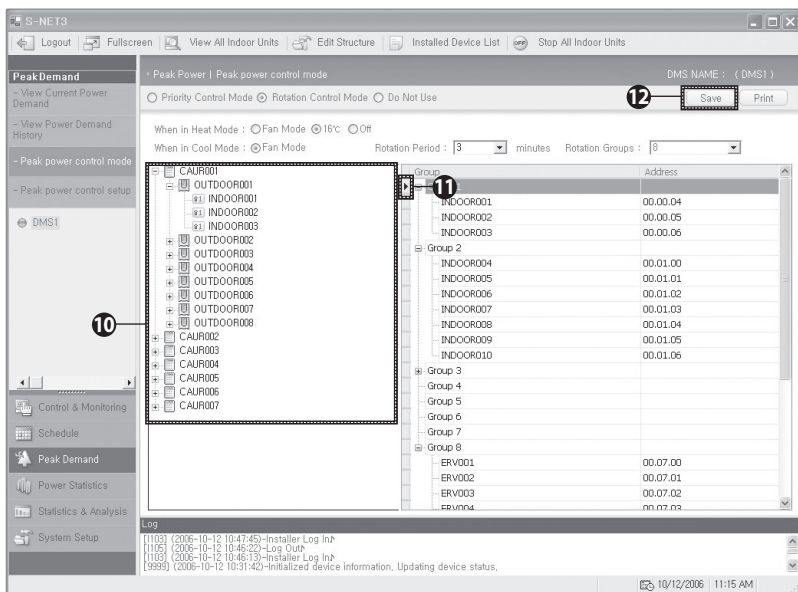
- ◆ When in Heat Mode: [Fan Mode], [16°C], [Off].
- ◆ When in Cool Mode: [Fan Mode].

8 Click to select the rotation period.

- ◆ You can select from 3 minutes to 10 minutes.

9 Click to select the rotation group.

- ◆ You can select from 1 group to 10 groups.



10 Select the group/indoor unit on the left tree.

11 Click .

- ◆ You can drag the name and move it as well.
- ◆ All indoor units belonging to the group are applied the level at the same time.
- ◆ By default, all indoor units are not assigned to any levels.

12 Click [Save].

- ◆ The priority information is saved in S-NET 3.
- ◆ Click [Print] to print out the peak power management report.

Caution

- ◆ **While the Rotation Control Mode is set, you cannot select the Priority Control Mode. If you select the Rotation Control Mode while using the Priority Control Mode, the previous mode is canceled.**
- ◆ **Network error is not applied though the actual status is in error. You should request the information to DMS.**

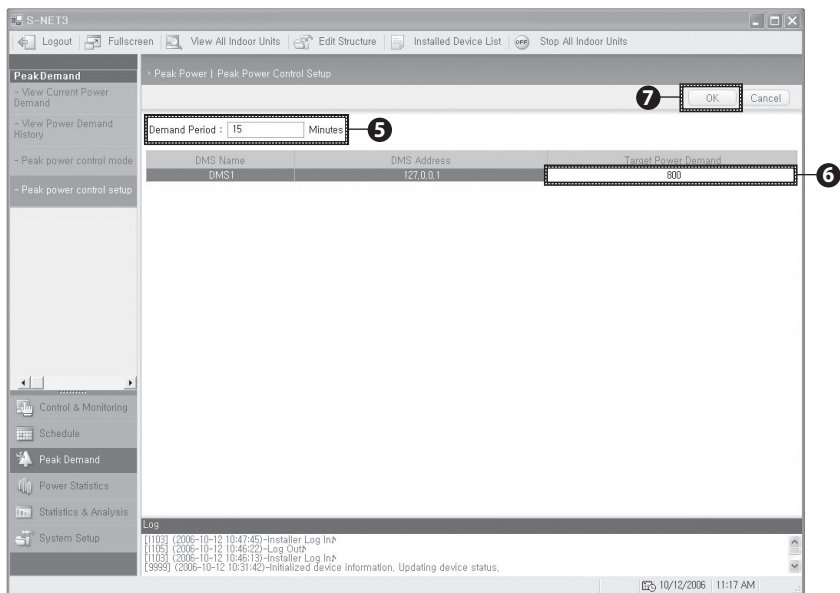
Peak Power Management (Continued)

Setting up Peak Power Control



This function allows you to set the target power demand.

- 1 Click [Peak Demand] on the menu.
- 2 Click [Peak power control mode] on the sub-menu.
- 3 Enter the installer password on the insert password window.
 - ◆ Only the installer can set the peak power control mode.
- 4 Click [Confirm>].
 - ◆ The peak power control setting window appears.
 - ◆ Click [Cancel>] to cancel entering the installer password.



5 Enter the demand period.

- ◆ Enter the period from 1 minute to 60 minutes.

6 Enter the target power demand for each DMS.

- ◆ Be careful when setting the target power demand value. This value is used for generating peak alert levels.

7 Click [OK].

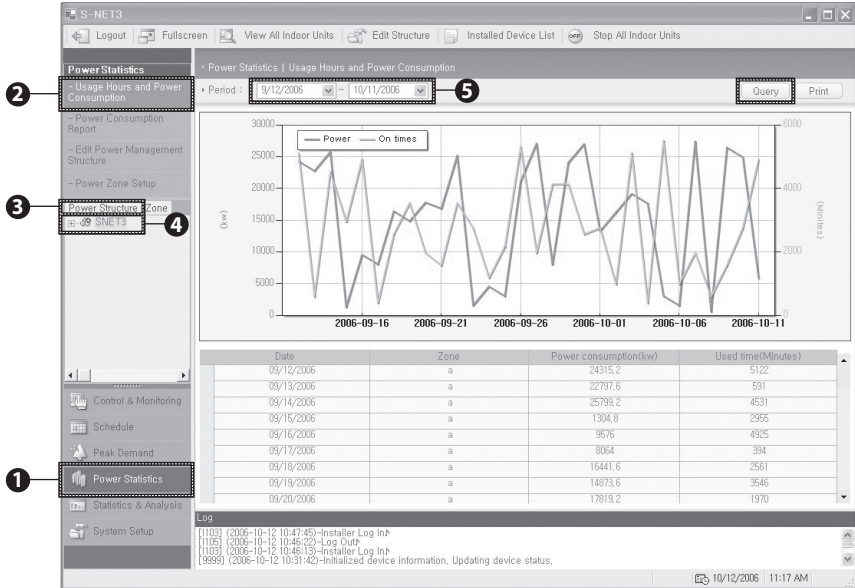
- ◆ The target power demand is saved in S-NET 3.
- ◆ Click [Cancel] to cancel the entered target power demand.

Note


Network error is not applied though the actual status is in error. You should request the information to DMS.

Usage Hours and Power Consumption

Viewing Usage Hours and Power Consumption



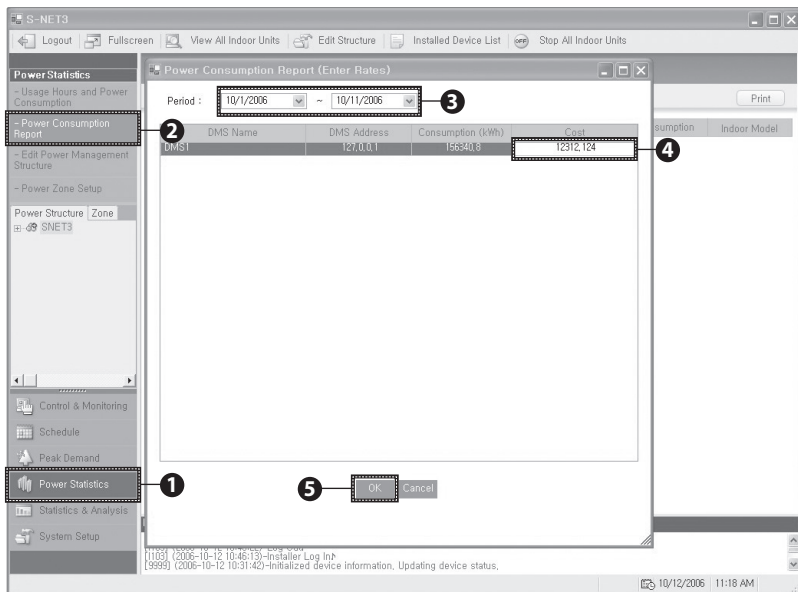
This function allows you to check usage hours and power consumption of indoor units.

- 1 Click [Power Statistics] on the menu.
- 2 Click [Usage Hours and Power Consumption] on the sub-menu.
- 3 Select [Power Structure] tab.
- 4 Select a zone or an indoor unit.
 - ◆ Selecting a zone displays the total usage hours and power consumption for all sub-level indoor units of the selected zone.
- 5 Click  to select the Start/End period.
 - ◆ You can check data for the last one year.
- 6 Click [Query].
 - ◆ Usage hours and power consumption graph appear.
 - ◆ Click [Print] to print out the power management report.


Note

Once the installation information of the air conditioner is changed, the structure should be changed correspondingly as well.

Entering Power Consumption and Rates



This function allows you to enter the power consumption and rated as stated in the electricity bill.

- 1 Click [Power Statistics] on the menu.
- 2 Click [Power Consumption Report] on the sub-menu.
- 3 Click  to select the Start/End period.
- 4 Enter the power consumption and rated bill.
 - ◆ If a power interface module is installed, the power consumption is entered automatically.
 - ◆ Only numbers can be entered.
- 5 Click [OK].
 - ◆ The entered power consumption and rates are distributed over the indoor units.
 - ◆ Click [Cancel] to cancel the entered power consumption and rated bill.

Usage Hours and Power Consumption (Continued)

Power Management Report

Power Statistics

- Usage Hours and Power Consumption
- Power Consumption Report
- Edit Power Management Structure
- Power Zone Setup

Power Structure | Zone

SNET3

Control & Monitoring

Schedule

Peak Demand

Power Statistics

Statistics & Analysis

System Setup

Power Consumption Report

Period: 10/1/2006 ~ 10/11/2006

Print

Name	DMS Name	Address	Zone	Consumption	Distributed Co	Indoor Model
-	-	-	-	156340.776	\$12,312.50	-
Name	DMS Name	Address	Zone	Power Consumption(kw)	Distributed Cost	Indoor Model
CAUR002	-	-	-	33331.536	\$2,625.00	-
Name	DMS Name	Address	Zone	Power Consumption(kw)	Distributed Cost	Indoor Model
OUTDOOR09	-	-	-	3968.04	\$312.50	-
Name	DMS Name	Address	Zone	Power Consumption(kw)	Distributed Cost	Indoor Model
INDOOR046	DMS1	01.00.05	a	793.608	\$62.50	NoDefine
INDOOR047	DMS1	01.00.06	a	793.608	\$62.50	NoDefine
INDOOR043	DMS1	01.00.00	a	793.608	\$62.50	NoDefine
INDOOR044	DMS1	01.00.01	a	793.608	\$62.50	NoDefine
INDOOR045	DMS1	01.00.04	a	793.608	\$62.50	NoDefine
Name	DMS Name	Address	Zone	Power Consumption(kw)	Distributed Cost	Indoor Model
OUTDOOR010	-	-	-	5555.256	\$437.50	-
OUTDOOR011	-	-	-	4761.648	\$375.00	-
OUTDOOR012	-	-	-	4761.648	\$375.00	-
OUTDOOR013	-	-	-	5555.256	\$437.50	-
OUTDOOR014	-	-	-	3174.432	\$250.00	-
OUTDOOR015	-	-	-	5555.256	\$437.50	-
OUTDOOR016	-	-	-	0	\$0.00	-
Name	DMS Name	Address	Zone	Power Consumption(kw)	Distributed Cost	Indoor Model
CAUR001	-	-	-	33331.536	\$2,625.00	-
CAUR003	-	-	-	30157.104	\$2,375.00	-

Log

[1103] (2006-10-12 10:47:45)-Installer Log In

[1105] (2006-10-12 10:46:22)-Log Out

[1103] (2006-10-12 10:46:13)-Installer Log In

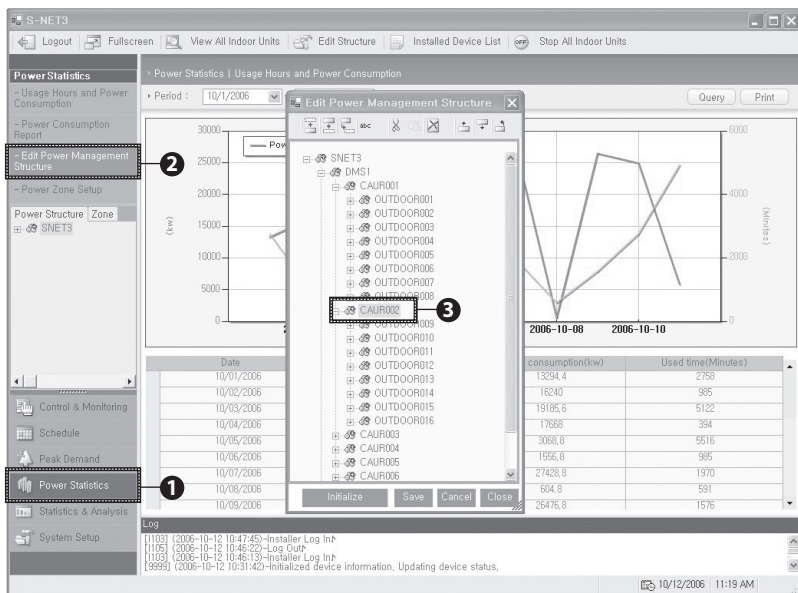
[9999] (2006-10-12 10:31:42)-Initialized device information, Updating device status.

10/12/2006 11:17 AM

This function allows you to check the distributed results of power consumption and rated bill in power management structure or management structure.

- Click [Power Statistics] on the menu.
- Click [Power Consumption Report] on the sub-menu.
- Click to check the entered power consumption and rated bill.
◆ if for displaying upper level while is for lower level.
- The power management report is displayed.
 - ◆ The entered usage hours and power consumption are displayed.
 - ◆ Click [Print] to print out the power consumption report.
 - ◆ Click [Zone] tab to calculate the power consumption by structure.

Editing the Power Management Structure

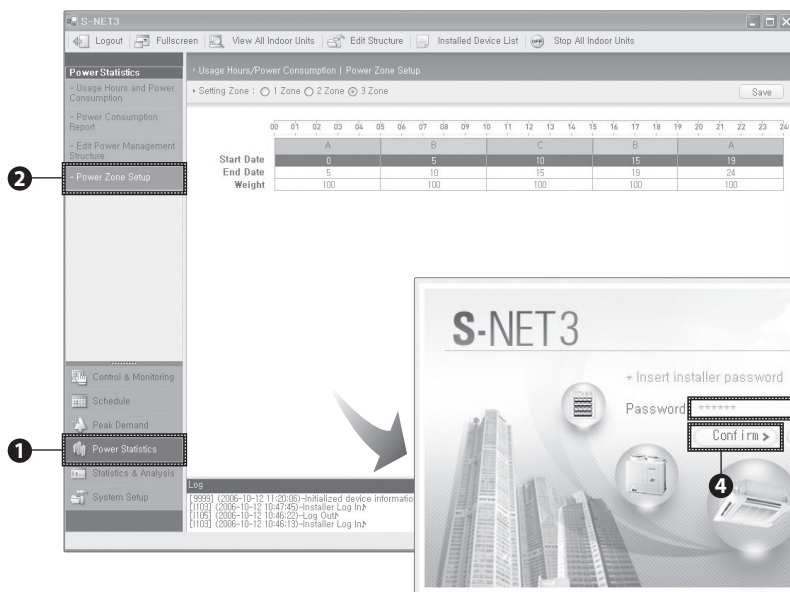


This function allows you to set the management group for power distribution.

- 1 Click [Power Statistics] on the menu.
- 2 Click [Edit Power Management Structure]] on the sub-menu.
- 3 Select a structure to edit.
 - ◆ **+** is for displaying upper level while **-** is for lower level.
- 4 Edit the power management structure.
 - ◆ Refer to [Editing Structure] for further information. (p26~31)

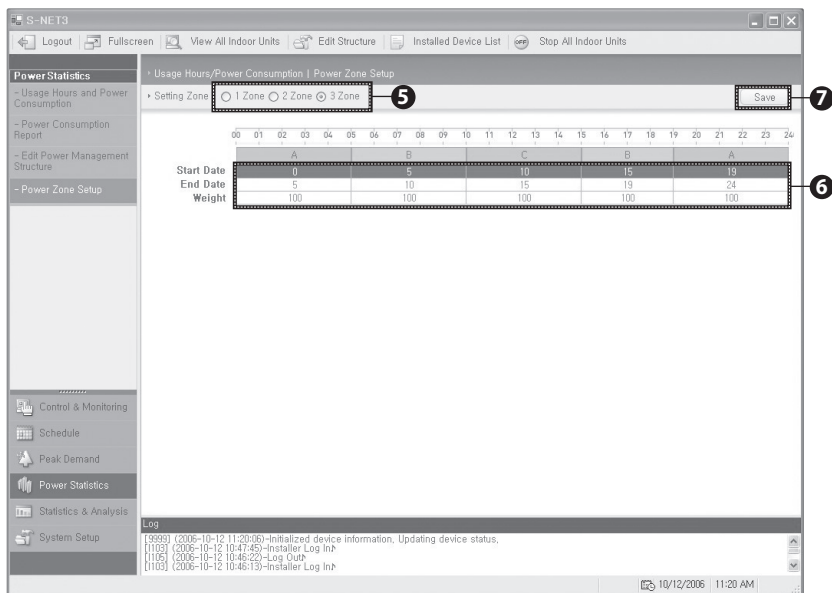
Usage Hours and Power Consumption (Continued)

Power Zone Setup



This function is used when different per unit power rates are applied different time zones.

- Click [Power Statistics] on the menu.
- Click [Power Zone Setup] on the sub-menu.
- Enter the installer password on the insert password window.
 - Only the installer can set the peak power control mode.
- Click [Confirm>].
 - The power zone setup control setting window appears.
 - Click [Cancel>] to cancel entering the installer password.



5 Select a zone to set up.

- ◆ Setting by 1 Zone, 2 Zones and 3 Zones are available.
- ◆ By default, S-NET 3 is set to work with 1 zone.

6 Enter the Start Time, End Time and Difference.

- ◆ Enter the information corresponding to the zone.

7 Click [Save].

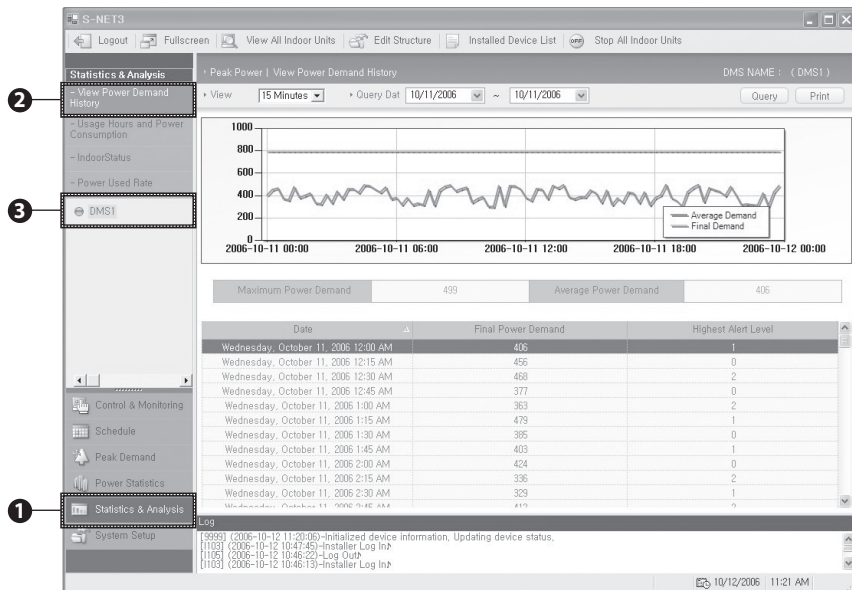
- ◆ The selected power zone is save in S-NET 3.

Note When Selecting 2 zones (A, B, A)
 - If the board time of zone A and zone B is 8 hours,
 zone A is 00:00~08:00, zone B is 08:01~16:00,
 and zone A again is 16:01~24:00.

Caution

**Power zone setup is related to power consumption bill.
 Be careful to set the power zone.**

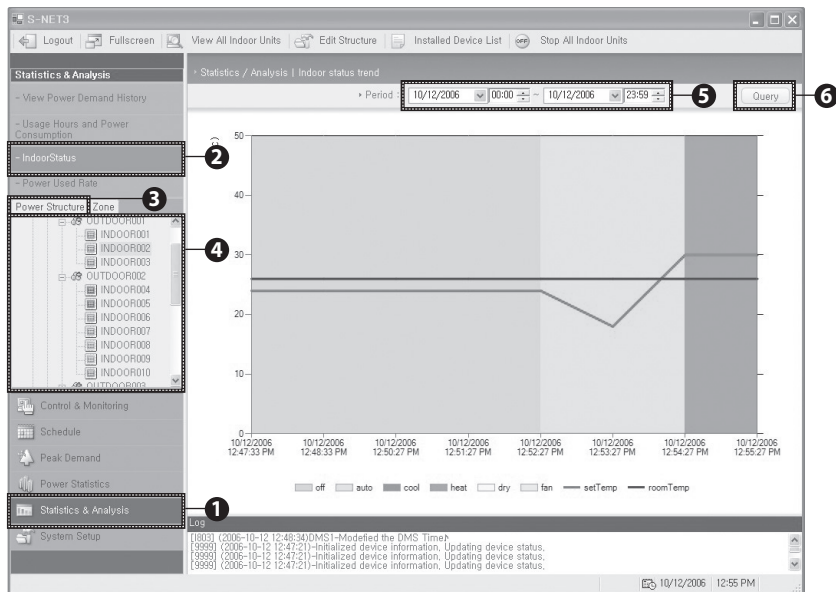
Power Demand History Report





This function allows you to check the power demand list.

- 1 Click [Statistics & Analysis] on the menu.
- 2 Click [Power Demand History] on the sub-menu.
- 3 Select a DMS to check on the list.
 - ◆ Only the DMS which works with interface modules is displayed on the list.
- 4 Check the power demand history of selected DMS.
 - ◆ Refer to [Viewing Power Demand History] for further information. (p71~72)

Indoor Unit Status Report

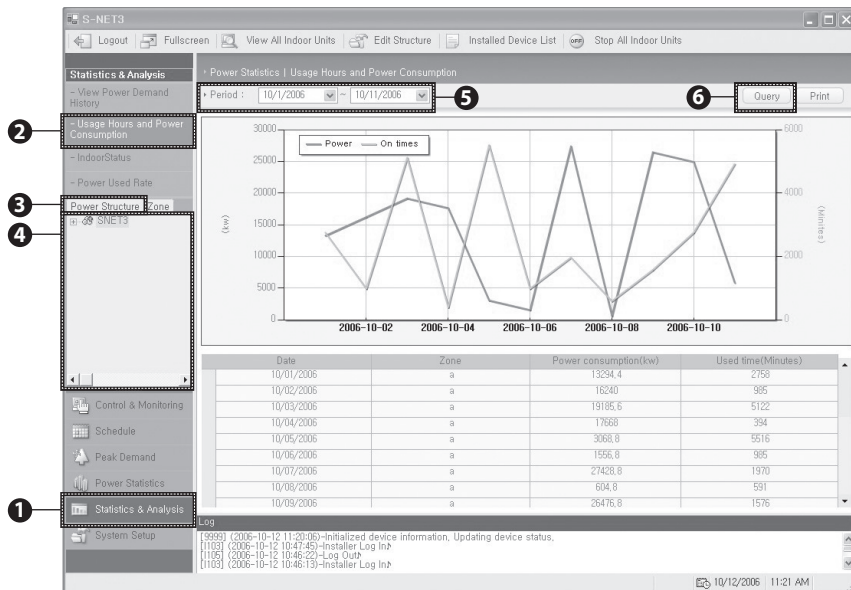


This function allows you to check the status of indoor units.

- 1 Click [Statistics & Analysis] on the menu.
- 2 Click [Indoor Status] on the sub-menu.
- 3 Click [Power Structure] tab.
- 4 Select an indoor unit to check on the list of centralized controller belonging to the DMS.
 - ◆ The list of all indoor units belonging to the selected centralized controller displays.
- 5 Click  and  to select the Start/End time and date.
 - ◆ You can check data for the last one day.
- 6 Click [Query].
 - ◆ The current temperature, set temperature and operating mode of the selected indoor unit are displayed.
 - ◆ This function displays the information during S-NET 3 is turned on.

Statistics & Analysis (Continued)

Usage Hours and Power Consumption Report



This function allows you to check the usage hours and power consumption report.

- 1 Click [Statistics & Analysis] on the menu.
- 2 Click [Usage Hours and Power Consumption] on the sub-menu.
- 3 Click [Power Structure] tab.
- 4 Select an indoor unit to check on the list of centralized controller belonging to the DMS.
 - ◆ The list of all indoor units belonging to the selected centralized controller displays.
- 5 Click to select the Start/End time and date.
 - ◆ You can check data for the last one year.
 - ◆ The information is displayed corresponding to the zone.
- 6 Click [Query].
 - ◆ The usage hours and power consumption are displayed.
 - ◆ Click [Print] to print out the usage hours and power consumption report.

Indoor Units Usage Report

Statistics & Analysis

- View Power Demand History
- Usage Hours and Power Consumption
- IndoorStatus
- Power Used Rate
- DMS1

Indoor Units Usage Report

Query Date: 10/1/2006 to 10/11/2006

Rank	Device Name	Device Address	Demand Power(%)	On Time(%)	Model
1	INDOOR001	00.00.04	0.508	0.508	NoDefine
2	INDOOR002	00.00.05	0.508	0.508	NoDefine
3	INDOOR003	00.00.06	0.508	0.508	NoDefine
4	INDOOR004	00.01.00	0.508	0.508	NoDefine
5	INDOOR005	00.01.01	0.508	0.508	NoDefine
6	INDOOR006	00.01.02	0.508	0.508	NoDefine
7	INDOOR007	00.01.03	0.508	0.508	NoDefine
8	INDOOR008	00.01.04	0.508	0.508	NoDefine
9	INDOOR009	00.01.05	0.508	0.508	NoDefine
10	INDOOR010	00.01.06	0.508	0.508	NoDefine
11	INDOOR011	00.02.00	0.508	0.508	NoDefine
12	INDOOR012	00.02.01	0.508	0.508	NoDefine
13	INDOOR013	00.02.02	0.508	0.508	NoDefine
14	INDOOR014	00.02.03	0.508	0.508	NoDefine
15	INDOOR015	00.02.04	0.508	0.508	NoDefine
16	INDOOR016	00.02.05	0.508	0.508	NoDefine
17	INDOOR017	00.02.06	0.508	0.508	NoDefine
18	INDOOR018	00.03.00	0.508	0.508	NoDefine
19	INDOOR019	00.03.01	0.508	0.508	NoDefine
20	INDOOR020	00.03.02	0.508	0.508	NoDefine
21	INDOOR021	00.03.03	0.508	0.508	NoDefine
22	INDOOR022	00.03.04	0.508	0.508	NoDefine
23	INDOOR023	00.03.05	0.508	0.508	NoDefine
24	INDOOR024	00.03.06	0.508	0.508	NoDefine
25	INDOOR025	00.04.00	0.508	0.508	NoDefine
26	INDOOR026	00.04.03	0.508	0.508	NoDefine
27	INDOOR027	00.04.04	0.508	0.508	NoDefine

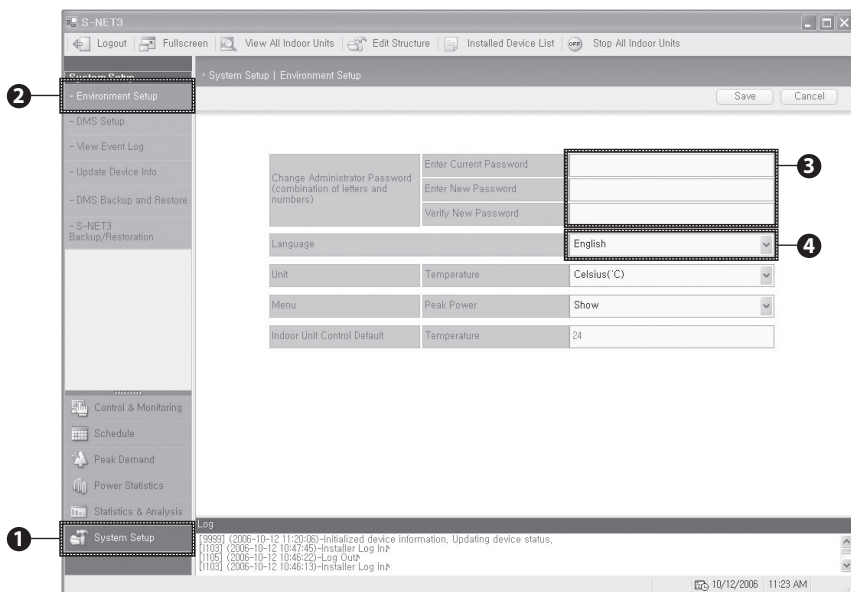
System Setup

10/12/2006 11:23 AM


This function allows you to check the indoor units usage report.

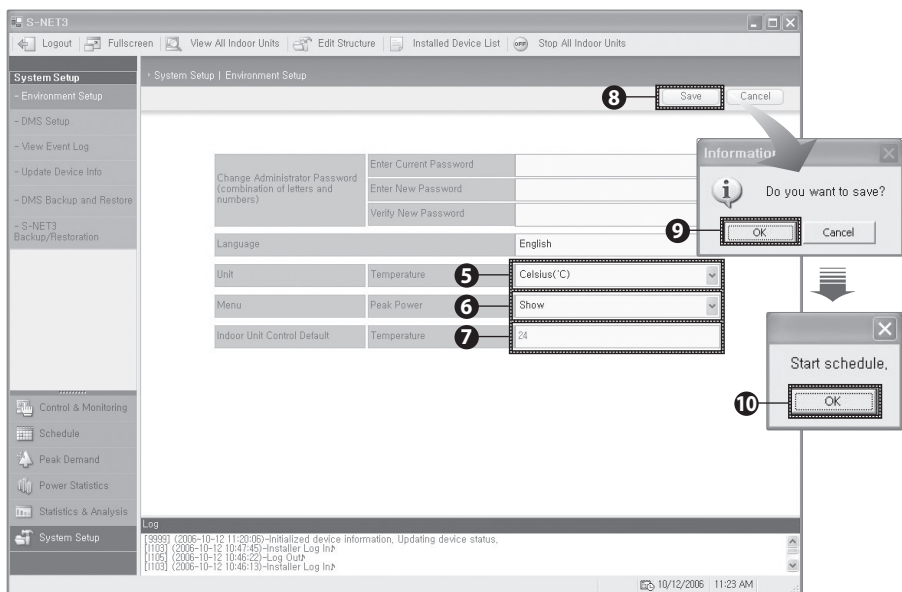
- Click [Statistics & Analysis] on the menu.
- Click [Power Used Rate] on the sub-menu.
- Select a DMS.
 - ◆ Select an indoor unit to check on the list of centralized controller belonging to the DMS.
- Click to select the Start/End time and date.
 - ◆ You can check data for the last one year.
- Click [Query].
 - ◆ The usage of all indoor units connected to the selected DMS is displayed as percentage. It displays from the top usage to the lower one with ranks.



System Setup



This function allows you to set administrator password, display language, peak power menu and default set temperature for indoor units.

- 1 Click [System Setup] on the menu.
- 2 Click [Environment Setup] on the sub-menu.
- 3 Enter the current password, new password twice for verifying .
 - ◆ The password should be more than 6 characters long included with English and number.
- 4 Click  to select the language.
 - ◆ English, Korean and Chinese are available.



- 5 Click  to select the temperature unit.
◆ You can select either [Celsius(°C)] or [Fahrenheit(°F)].
- 6 Click  to select the peak power control menu.
◆ You can select either [Hide] or [Show].
- 7 Enter the default indoor temperature.
- 8 Click [Save].
◆ Click [Cancel] to cancel the setup.
- 9 Click [OK] on the information window.
- 10 Click [OK].
◆ The information you set up is saved in S-NET 3.

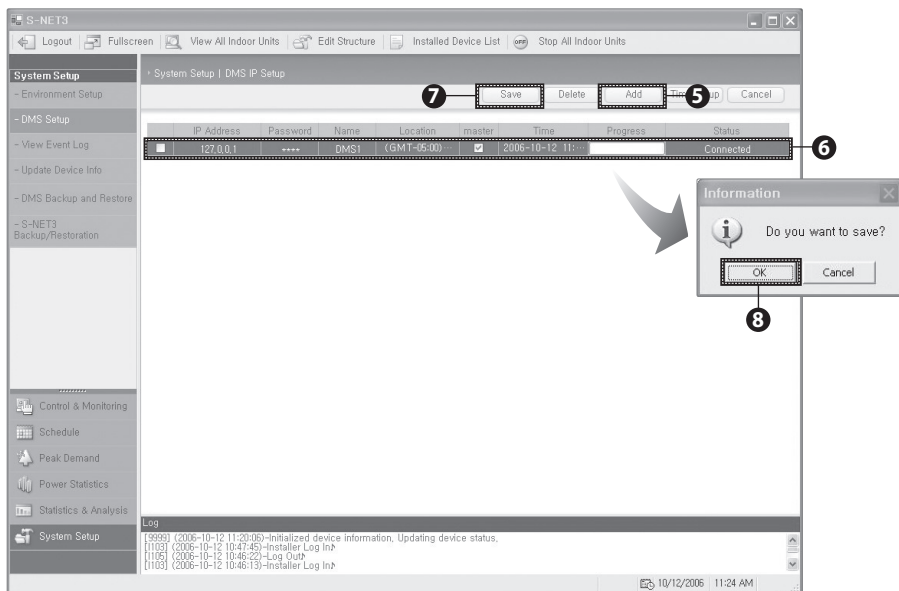
DMS Setup

Adding DMS



This function allows you to add a DMS.

- 1 Click [System Setup] on the menu.
- 2 Click [DMS Setup] on the sub-menu.
- 3 Enter the installer password on the insert password window.
 - ◆ Only the installer can set up DMS.
- 4 Click [Confirm>].
 - ◆ The DMS setting window appears.
 - ◆ Click [Cancel>] to cancel entering the installer password.



5 Click [Add].

◆ A new row is created for adding a DMS.

6 Enter the DMS information.

◆ Enter IP Address, Password, Name, Location, Master, Time.

7 Click [Save].

◆ Click [Cancel] to cancel adding a DMS.

8 Click [OK] on the information window.

◆ The DMS you added is saved in S-NET 3.

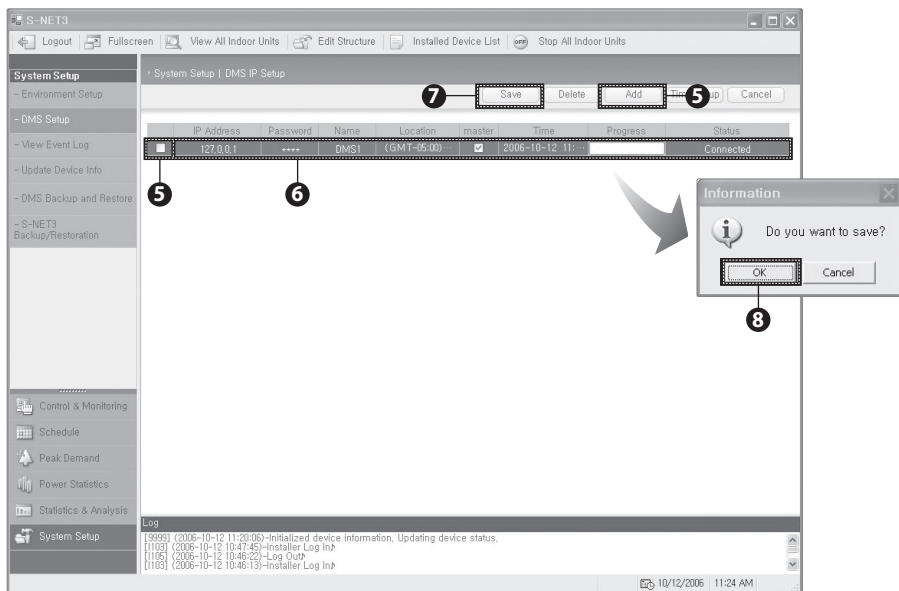
DMS Setup (Continued)

Editing DMS



This function allows you to edit DMS

- 1 Click [System Setup] on the menu.
- 2 Click [DMS Setup] on the sub-menu.
- 3 Enter the installer password on the insert password window.
 - ◆ Only the installer can set up DMS.
- 4 Click [Confirm>].
 - ◆ The DMS setting window appears.
 - ◆ Click [Cancel>] to cancel entering the installer password.



- 5 Select DMS to edit.
 - ◆ The DMS information appears.
- 6 Edit the DMS information.
 - ◆ Edit IP Address, Password, Name, Location, Master, Time.
- 7 Click [Save].
 - ◆ Click [Cancel] to cancel editing the DMS.
- 8 Click [OK] on the information window.
 - ◆ The edited information is saved in S-NET 3.

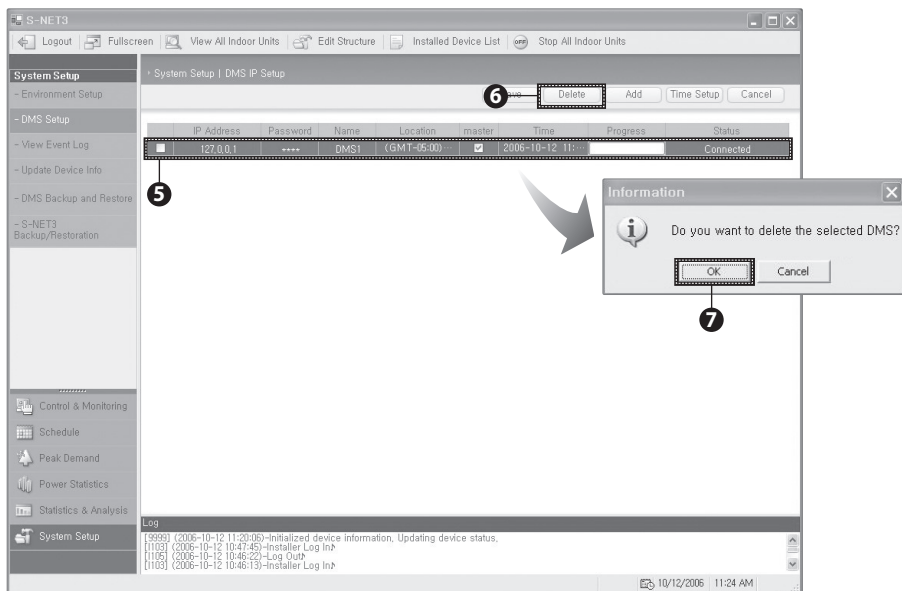
DMS Setup (Continued)

Deleting DMS



This function allows you to delete DMS.

- 1 Click [System Setup] on the menu.
- 2 Click [DMS Setup] on the sub-menu.
- 3 Enter the installer password on the insert password window.
 - ◆ Only the installer can set up DMS.
- 4 Click [Confirm>].
 - ◆ The DMS setting window appears.
 - ◆ Click [Cancel>] to cancel entering the installer password.



5 Select DMS to delete.

- ◆ The DMS information appears.

6 Click [Delete].

- ◆ Click [Cancel] to cancel deleting the DMS.

7 Click [OK] on the information window.

- ◆ All of its previously saved information of the DMS is deleted.

Note *Be careful when deleting a DMS because all of the previously saved information is deleted including power demand and peak power demand.*

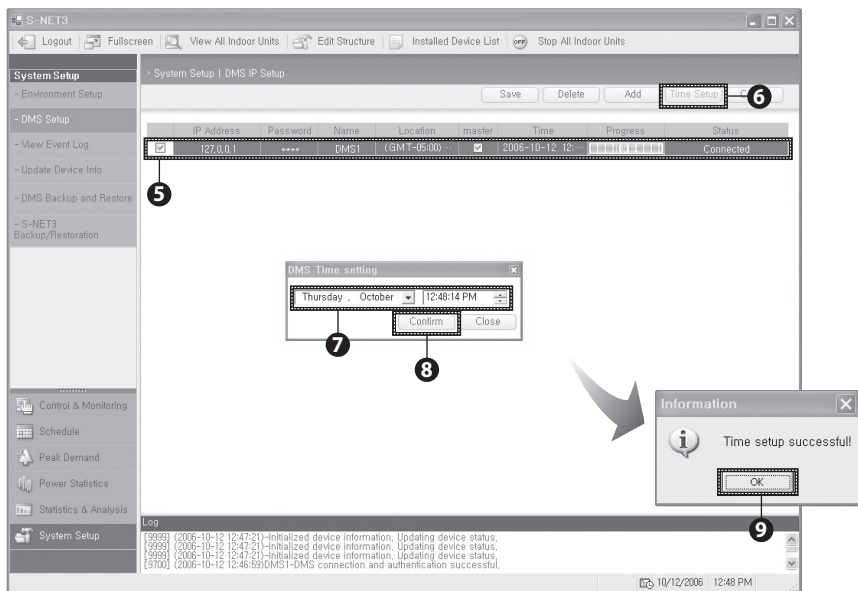
DMS Setup (Continued)

Setting Up DMS Time




This function allows you to set DMS time.

- 1 Click [System Setup] on the menu.
- 2 Click [DMS Setup] on the sub-menu.
- 3 Enter the installer password on the insert password window.
 - ◆ Only the installer can set up DMS.
- 4 Click [Confirm>].
 - ◆ The DMS setting window appears.
 - ◆ Click [Cancel>] to cancel entering the installer password.



5 Select DMS to set.

6 Click [Time Setup].

7 Click  and enter year/month/date/day, morning/afternoon/current time in order.

8 Click [Confirm].

◆ Click [Close] to cancel the set time.

9 Click [OK] on the information window.

◆ The set time is saved in S-NET 3.

Note

- ◆ You are not allowed to change the time of DMS as you wish. If the setup goes wrong, it can cause serious problem in functioning.
- ◆ The DMS time should be identical to the computer's.



Update Device Information

Managing Event Logs

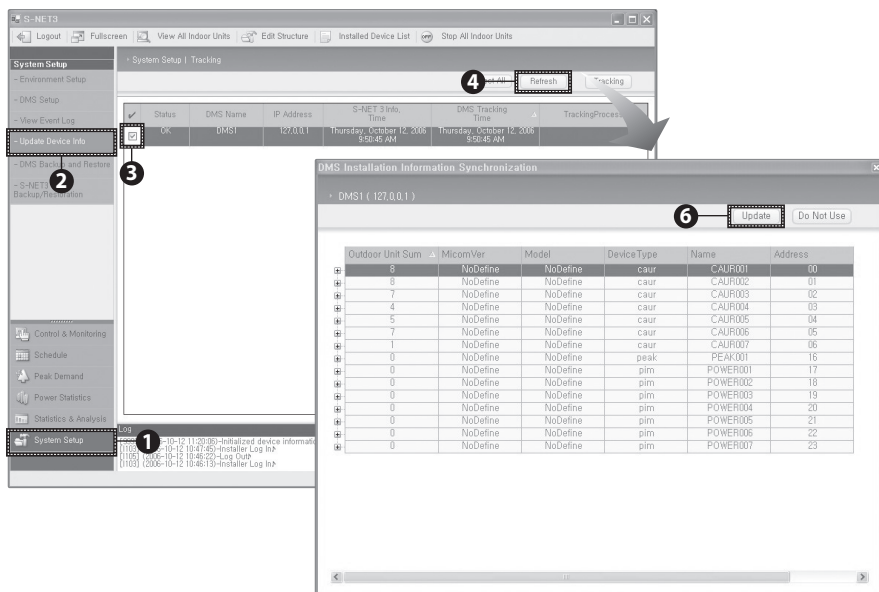
The screenshot shows the S-NET3 System Setup I View Event Log interface. The left sidebar contains a menu with 'System Setup' selected. The main area displays a table of event logs. The table has the following columns: Category, DMS Name, Device Address, Generated, Resolved, Error Code, Error Details, and Status. The table contains several rows of log entries, including 'Administrator User Log In', 'Log Out', 'Common User Log In', 'Installer Log In', 'Administrator User Log In', 'Log Out', 'Installer Log In', and 'DMS password authentication'. The interface also includes a 'Query' button and a 'Print' button.

Category	DMS Name	Device Address	Generated	Resolved	Error Code	Error Details	Status
Info			2006-10-10 14:25:12		102	Administrator User Log In	
Info			2006-10-10 14:25:09		105	Log Out	
Info			2006-10-10 14:25:05		101	Common User Log In	
Info			2006-10-10 14:25:04		105	Log Out	
Info			2006-10-10 14:24:15		103	Installer Log In	
Info			2006-10-10 14:24:09		105	Log Out	
Info			2006-10-10 14:23:51		102	Administrator User Log In	
Info			2006-10-10 14:23:45		105	Log Out	
Info			2006-10-10 14:23:35		103	Installer Log In	
Info			2006-10-10 14:21:36		103	Installer Log In	
Error	DMS1	127.0.0.1	2006-10-10 14:20:35		9011	DMS password authentication	

This function allows you to check device failure information and system usage history by log types.

- 1 Click [System Setup] on the menu.
- 2 Click [View Event Log] on the sub-menu.
- 3 Click  to select log types.
 - ◆ Four options are available:
[All], [Alert], [Error], [Info].
- 4 Click  to select the Start/End period.
- 5 Click [Query].
 - ◆ Event logs such as failure information and usage history of selected units are displayed.
 - ◆ Click [Print] to print out the event logs report.

Refreshing the Information



This function synchronizes the installation information and the tracked information of S-NET 3 if they are different.

- 1 Click [System Setup] on the menu.
- 2 Click [Update Device Info] the sub-menu.
- 3 Select DMS.
 - ◆ Any DMS with the [Update required] status needs to have its information updated.
 - ◆ Click [Select All] to select all of the DMS.
- 4 Click [Refresh].
- 5 Check the device information.
 - ◆ Check whether the device information matches the actual information. If it does not, functions are not properly executed.
- 6 Click [Update].
 - ◆ S-NET 3 obtains the installation information from the DMS.
 - ◆ Click [Do Not Use] to cancel applying the information.

Note

If there is any unit which is turned off or has communication error, the information such as power demand, peak power demand can be lost while updating.

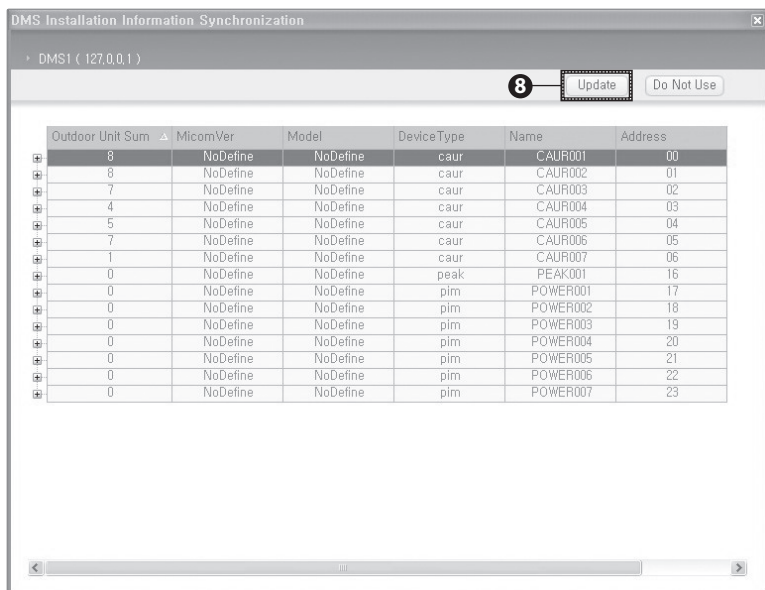
Update Device Information (Continued)

Tracking



This function creates new device information when a device has been added or edited. The tracking process takes about 5 minutes.

- 1 Click [System Setup] on the menu.
- 2 Click [Update Device Info] the sub-menu.
- 3 Select DMS to track.
 - ◆ You can select multiple DMS.
 - ◆ Click [Select All] to select all of the DMS.
- 4 Click [Tracking].
- 5 Enter the installer password on the insert password window.
 - ◆ Only the installer can set up DMS.
- 6 Click [Confirm>].
 - ◆ Click [Cancel>] to cancel entering the installer password.
- 7 Check the device information.
 - ◆ Check whether the device information matches the actual information. If it does not, functions are not properly executed.



8 Click [Update].

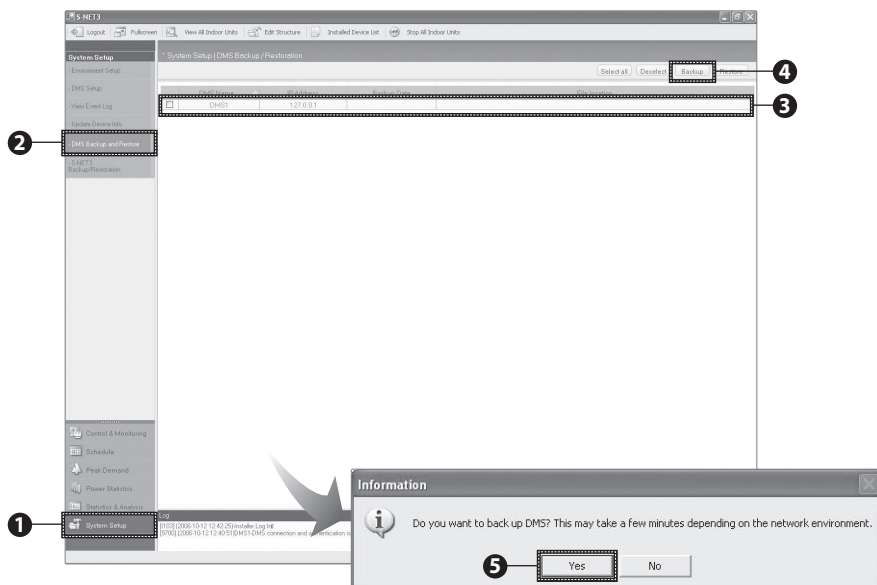
- ◆ S-NET 3 obtains the installation information from the DMS.
- ◆ Click [Do Not Use] to cancel applying the information.

Caution

Accumulated information such as information of indoor/outdoor units, power demand, peak power demand can be lost while tracking.

DMS Backup and Restore

Backing Up DMS



This function allows you to back up DMS for speedy recovery in system failure.

- 1 Click [System Setup] on the menu.
- 2 Click [DMS Backup and Restore] on the sub-menu.
- 3 Select DMS to back up.
 - ◆ You can select multiple DMS.
 - ◆ Click [All] to select all of the DMS.
 - ◆ Click [Cancel] to cancel the selection.
- 4 Click [Backup].
- 5 Click [Yes] on the information window.
 - ◆ Click [No] to cancel backing up the DMS.



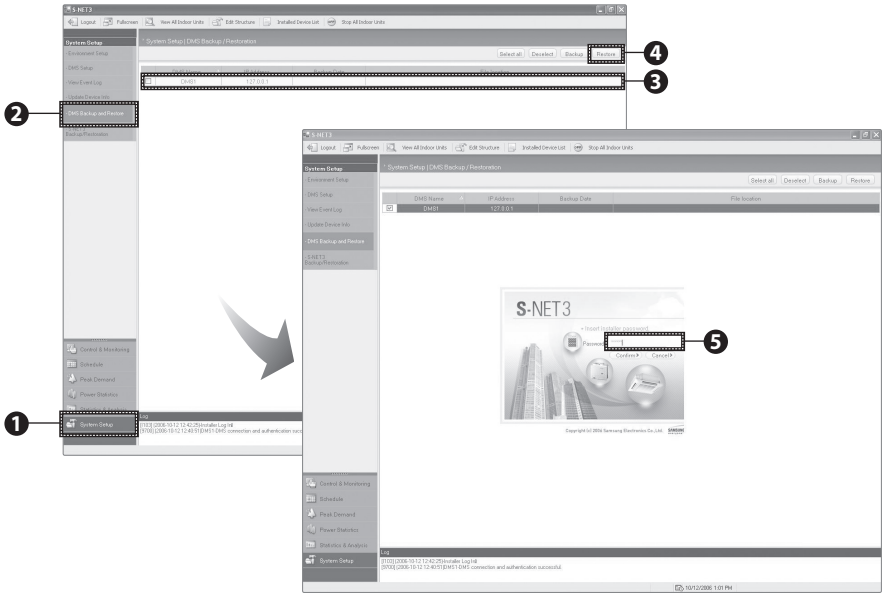
- 6 Select a folder to save the backup file.
 - ◆ Folders are created automatically for each DMS. The information is backed up in the folders.

- 7 Click [OK].
 - ◆ The Backup file is created in the specified folder.

Note *It is recommended to back up the data at least once a month to prevent the error of the system.*

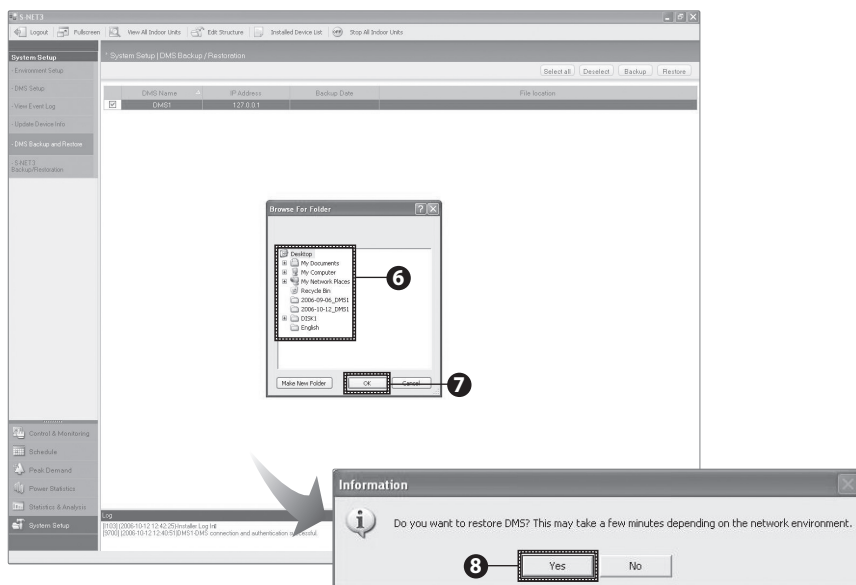
DMS Backup and Restore (Continued)

Restoring DMS



This function allows you to restore DMS using backup files.

- 1 Click [System Setup] on the menu.
- 2 Click [DMS Backup and Restore] on the sub-menu.
- 3 Select DMS to restore.
 - ◆ You can select only 1 DMS.
 - ◆ Check the DMS backup information such as the last backup date and the location of the back up file.
 - ◆ Click [Deselect] to cancel the selection.
- 4 Click [Restore].
- 5 Enter the installer password on the insert password window.
 - ◆ Only the installer can restore DMS.



6 Select a folder for the backup file to restore.

7 Click [OK].

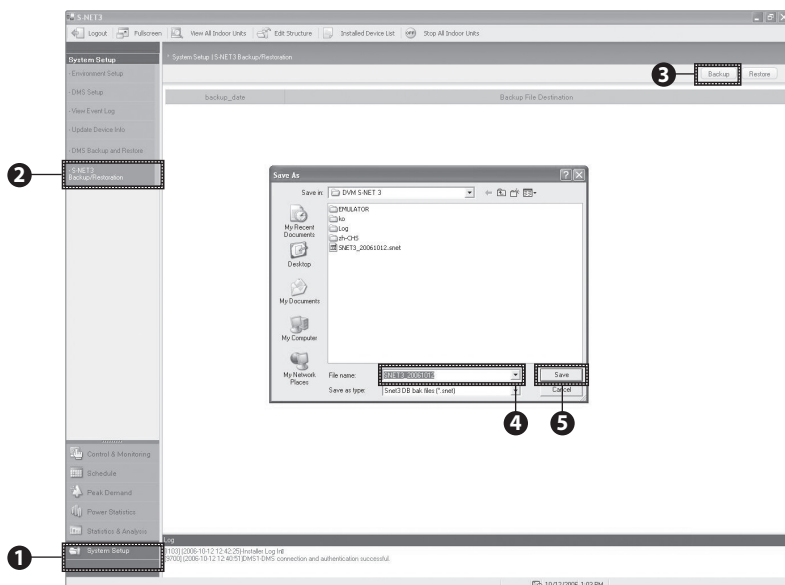
◆ The backup file is restored.

8 Click [Yes] on the information window.

◆ Once the database is restored, the system will be closed and rebooted in order to apply the restored data. The rebooting process takes about 20 seconds.

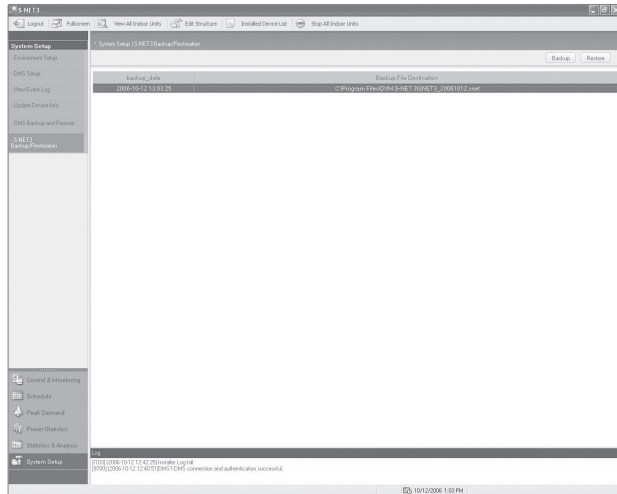
S-NET 3 Backup and Restore

Backing Up S-NET 3



This function allows you to back up S-NET 3 for speedy recovery in system failure.

- 1 Click [System Setup] on the menu.
- 2 Click [S-NET 3 Backup/Restoration] on the sub-menu.
- 3 Click [Backup].
- 4 Select a folder to save the backup file and name the file.
 - ◆ The extension name of the file is .unet.
Do not change it.
- 5 Click [Save].
 - ◆ Click [Cancel] to cancel backing up S-NET 3.

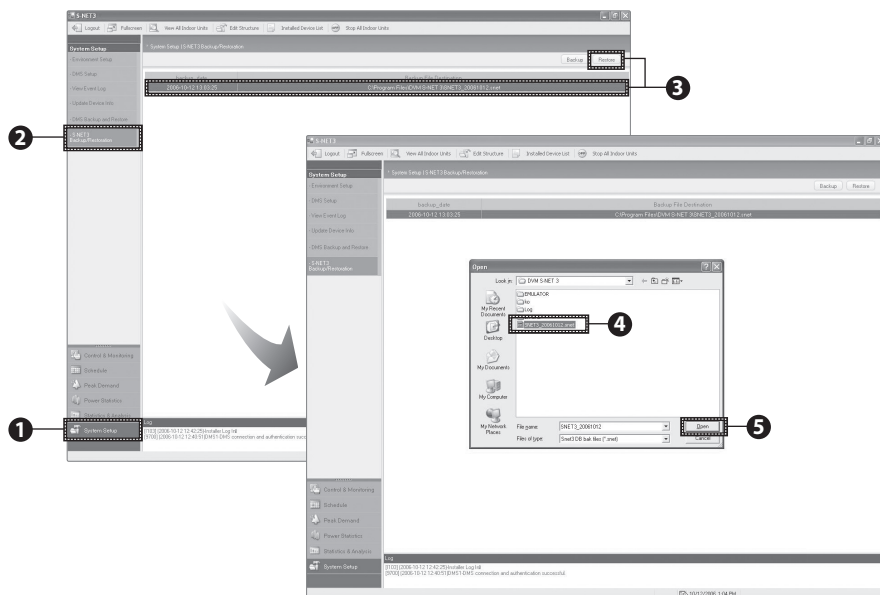


- 6 Click [OK].
 - ◆ Backup S-NET 3 is completed.
- 7 Check the last backup information.
 - ◆ You can check the last backup date and location.

Note *It is recommended to back up the data at least once a month to prevent the error of the system.*

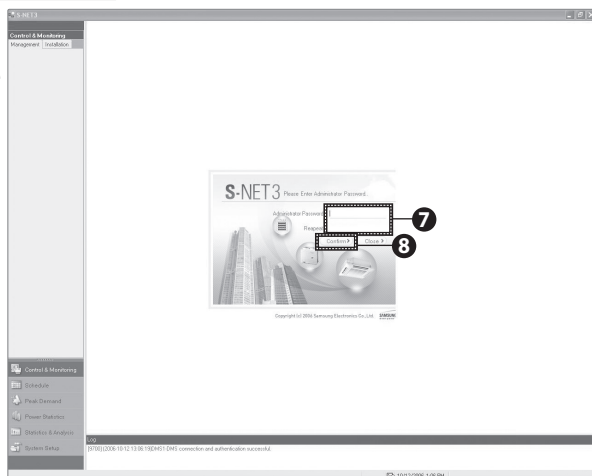
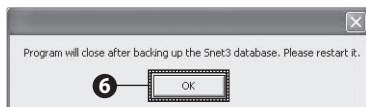
S-NET 3 Backup and Restore (Continued)

Restoring S-NET 3



This function allows you to restore S-NET 3 using backup files.

- 1 Click [System Setup] on the menu.
- 2 Click [S-NET 3 Backup/Restoration] on the sub-menu.
- 3 Click [Restore].
- 4 Select a back up file to restore(name.snet).
- 5 Click [Open].
 - ◆ The selected backup file is restored.



6 Click [OK].

- ◆ Once the database is restored, the system will be closed and rebooted in order to apply the restored data.
- ◆ Start S-NET 3 again.

7 Enter the installer password again on the password window.

- ◆ You should set the password again.

8 Click [Confirm>].

Troubleshooting

Problem	Check	Explanation/Solution
DMS is not connected	Is the DMS turned on?	DMS always has to be turned on. Check the DMS is turned on, and connect the DMS again.
	Is the LAN connected to the DMS correctly?	Check the LAN is connected to the DMS correctly. It is impossible to connect the DMS to S-NET 3 without LAN. Consult a person in charge of network for further information.
	Is the DMS applied to S-NET 3?	Add the DMS using [System Setup] → [DMS Setup].
	Isn't the No.11000 port of firewall blocked?	Consult a person in charge of network.
	Doesn't the DMS have any defect?	Check the status of the DMS.
The information of indoor units/ERVs is not displayed	Has the tracking been successfully executed?	Tracking should be executed to get the information of all devices belonging to DMS. Execute tracking using [System Setup] → [Refresh the Info].

<u>Problem</u>	<u>Check</u>	<u>Explanation/Solution</u>
The information of indoor units/ERVs is not displayed	Has the information been refreshed?	After adding or deleting indoor units, DMS needs to have its information updated. Execute updating using [System Setup] → [Refresh the Info].
	Is the DMS connected to the centralized controller correctly?	Check the communication cable between the DMS and the centralized controller. Be careful to deal with the communication cable because it has polarity. Check the centralized controller is turned on.
	Is the centralized controller connected to the interface module correctly?	Check the power/communication cable between the centralized controller and the interface module.
Indoor units are out of control	Are the indoor units connected to the DMS correctly?	Check the power/RS 485 communication cable.
The menus are not displayed	Didn't you log-in as a user?	It is restricted to use most of the functions of S-NET 3 for a user. Log-in as an installer or an administrator.
	Isn't the [Peak Power Control] mode set as [Hide]?	Change the setting as [Show] using [System Setup] → [Environment Setup].
	Is the peak controller connected to the DMS?	After tracking using [System Setup] → [Refresh the Info], check the DMS communicates to the peak controller correctly.

Troubleshooting (Continued)

Problem	Check	Explanation/Solution
Indoor units are turned on/off by themselves	Isn't a schedule or peak control executing?	Indoor units can be turned on/off by schedules or peak control.
	Are indoor units controlled individually by wired/wireless remote controllers?	Set the use of wired/ wireless remote controllers prohibited.
Peak power control is out of order	Does the DMS communication have any problem?	Check the DMS communicates with the interface module. It is impossible to control peak power if the DMS does not function properly.
	Are the indoor units set as either [Priority Control Mode] or [Rotation Control Mode]?	Set the indoor units as either [Priority Control Mode] or [Rotation Control Mode] using [Peak Demand] → [Peak power control mode].
Indoor units are not controlled by schedule	Isn't the schedule set as [STOP]?	Start the schedule using [Schedule] → [View Daily Schedule].
	Is the DMS time set to the current local time?	Set the DMS time identical to the current local time.
Schedules are not displayed	Isn't the schedule set as [STOP]?	[View Daily Schedule] only displays currently active schedules.

<u>Problem</u>	<u>Check</u>	<u>Explanation/Solution</u>
Common exception days are not applied	Wasn't the schedule made before the common exception days are set?	Any changes to common exception days do not affect previously created schedule. To apply the common exception days, edit the schedule using [Schedule] → [View Daily Schedule].
Schedules are not edited	Isn't there any disconnected DMS among all of the connected DMS?	To edit schedules, DMS should be connected to S-NET 3. If it does not, it is possible to view schedules only.
Set temperature is not changed	Isn't the temperature set as minimum temperature or maximum temperature in cooling/heating mode?	If minimum temperature or maximum temperature is set, set temperature is restricted.
The electricity is rated though air conditioners are not being used	Aren't the air conditioners turned on and in standby?	The electricity is still used though air conditioners are standby. Turn off the air conditioners if they are not used for a lone period.

