

Returnstar Network Maintenance System V12.5

User Manual



Copyright(C) 2003-2008 Returnstar Technology Co., Ltd.

Web: www.recoverystar.com

Tel: +86-591-83385086, 87274373

Fax: +86-591-87274383

E-mail: master@recoverystar.com

Important Statements:

1. Use this product strictly according to detailed operation instruction in this User Manual so as to ensure proper use. Please read the instruction thoroughly to save the installation time.

2. If this product is defective, please return it to the appointed agent or our company, together with your original sales receipt or invoice for replacement.

3. Returnstar Technology Co., Ltd. is not liable for any consequential, incidental or indirect damages (including damages for indirect personal injury, loss of business profits, business interruption, loss of business information and the like) arising out of the use or inability to use this product.

4. The product includes enclosed software, later issue and update as well as correlative electronic documents and printing material. By installing, copying, downloading, visiting or using this product in any way, you agree to the terms and conditions of all the clauses in this user manual. The agreement on these clauses has the same effect as one signed through formal negotiation. You may not use this product unless you have agreed to all the clauses in this user manual

5. Returnstar Technology Co., Ltd. will not accept returns of opened packages.

6. Special Notice:

- Please do not deliberately attack or use other tool software to destroy the product's normal running, or run FDIS/MBR, repartitioning, or low formatting after boot from FD or CD. Otherwise this company assumes no liability for all losses arising herefrom, express or implied.

- Please do not apply in the important occasions such as the important network service the satellite launch, the missile guide, the military control, the national secret, etc, without authorization of Returnstar Technology Co., Ltd. Otherwise this company assumes no liability for all losses arising herefrom, express or implied.

- Regular backup of important data is still necessary when using this product. Returnstar Technology Co., Ltd. does not undertake any compensation responsibility for any losses of HD arising from the insufficient backup.

Copyright

Your purchasing of this product does not mean Returnstar has transferred the Intellectual Property Right. The product (includes but not limited to any trademarks, images, photos, flash, video, recording music, writing and additional procedure, and other relative product), enclosed printing material, and any copies made in authorization of Returnstar are products of Returnstar, and their Intellectual Property are owned by Returnstar. The name of this product and all its copies are consistent in CD and the manual. The framework, organization and source code of this product are Returnstar's valuable commercial secret and may not be transferred. This product is protected by PRC Copyright Law, related international treaties, the laws in the product using country.

No part of the product may be copied, modified, rented, leased, transferred in any ways without the writing permission or authorization of Returnstar, You are allowed to use one product on one computer only. Any reverses engineering, re-compiling, and decoding of this product, and retrieving the source code of the product by other ways is also prohibited.

Returnstar, Recoverystar, Reader are the registered trademarks of Fuzhou Returnstar Technology Co., Ltd. Any modification of Copyright marks, product names and brand names of this product and its copies is strictly prohibited.

Returnstar reserves all rights to charge the fee at anytime for product replacement, revision and update. The information in this document is subject to change at anytime without notice.

Chapter 1 Product Introduction

Returnstar Network Maintenance System V12.5 is a set of network quick maintain system based on TCP/IP protocol and Windows operating system. It is a set of accessory software for Returnstar Recovery Product (Recovery Card, Recovery Card Standard, USB Recovery Card, Recovery Smart). With Returnstar Network Maintenance System V12.5 installed, the server can perform administration, control, maintenance and auto update, etc to the clients installed with Returnstar Recovery Product. Featuring with powerful functions, stable performance and easy-to-use operation, this software is the embodiment of cutting-edge technology.

1.1 Network Administration: In the server, you can add, change, and delete the workgroup in the network; add, delete client; setup, change, and auto-change by batch the workgroup attribute, IP address and computer name of the client; mimic clients' physical layout; view client property, network connection and work parameter of Recovery Product, realizing remote control on computers.

1.2 Remote Control: In the server, you can perform to shutdown, start, and restart the object client, monitor screen and take over to control, realizing remote control on computers.

1.3 Network Maintenance: In the server, you can perform remote recovering the system, forcing to enter open mode, synchronously forcing to save data, changing work parameters of Returnstar Recovery Product, network distributing and uninstall program or file and transferring file to the object client. And it realize synchronous and large-scale install and uninstall of client program, game and file, making the administrator maintain the computer lab, internet café and office network with ease.

1.4 Network Auto Update and Maintenance: After setting up the network maintenance schedule in the server, the server will check its data increment and distribute to clients, remote recover, sync force to save, change parameter, network wake up, and remote turn off client automatically according to the schedule without any one's guard, realizing the auto network update and maintenance. It makes *“zero maintain”* and *“maintain one computer=maintain a network”* come true for administrators of computer lab, internet bar and office internet administrators.

1.5 Asset information management: In Server, you can view client resource, namely hardware or software information, and then produce report forms.

1.6 Register Clients in batch: If the Recovery Smart installed on clients are unregistered, you can register them in batch in sever.

Chapter 2 Installation

2.1 System Requirements

Server: CPU Pentium 166 or above; 128MB or above memory; standard VGA graphic card; 16 bits enhanced color display mode; Screen Resolution above 1024 × 768 suggested; 10M LAN card (with corresponding driver installed). Support Windows XP/2003/VISTA32. Configure TCP/IP protocol to ensure the normal network connection; IE 4.0 or above; Install Network Maintenance System Sever, but do not need install Recovery Product.

Client: CPU Pentium133Mhz; 64MB memory; standard VGA graphic card; 16 bits enhanced color display mode; Screen Resolution above 800 × 600 suggested; 10M LAN card (with corresponding driver installed). Support Windows XP/2003/VISTA32, and configure TCP/IP protocol to ensure normal network connection; the subnet mask must be the same as that of Server; IE 5.0 or later; The IP address must be exclusive (allow using the appointed IP address or get the IP address automatically, as well allow using DHCP, namely dynamic IP address). Install the Network Maintenance System Client and Recovery Product. Make sure the Recovery Product works normally (if you have several Operating Systems, please install it under each OS).



Prompt: Before installing, please close the OS firewall on the client to avoid blocking the program.

2.2 Install Network Maintenance System V12.5

Step 1. Double-click “Returnstar Network Maintenance System V12.5 Setup.exe” on sever, then proceed installation according to the Setup Wizard.

Step 2. After finishing the installation, double-click shortcut in the desktop or click *Start > Program > Returnstar Network Maintenance System V12.5 > Returnstar Network Maintenance System V12.5* to enter the main interface.



Prompt: Network Maintenance Smart can not manage the server. You can install the Recovery Product in server to mange it. But when installing and using Returnstar Network Maintenance Smart V12.5, the server must be in Open Mode, ensuring most work will not disappear by recovery function.

2.3 Install Recovery Product V12.5

Please refer to “Returnstar Recovery Series V12.5 User Manual” to install Recovery Product (Recovery Card, Recovery Card Standard, USB Recovery Card, Recovery Smart) V12.5 on client.

2.4 Uninstall Network Maintenance System V12.5

Select “*Add or Delete Program*” in the Windows Control Panel of server, and next select “*Returnstar Network Maintenance System V12.5*”, and then click “*Change or Delete*” button. Or select “*Start > Program > Returnstar Network Maintenance System V12.5 > Uninstall*” to uninstall the software.

Chapter 3 Login and Main Interface of Network Maintenance System

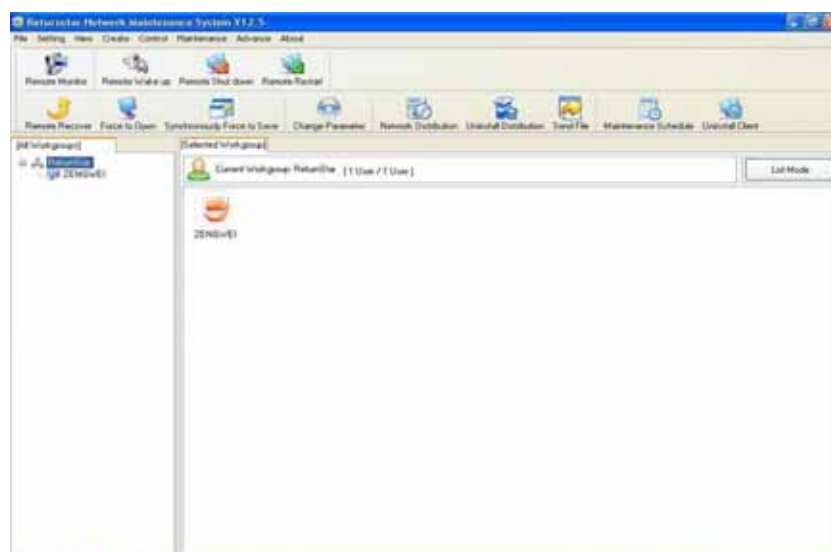
3.1 Login

Double-click “Returnstar Network Maintenance System V12.5” shortcut icon on the desktop, the login window will appear, then input the account and password. The default account is “admin”, password is “lanctrl”. We suggest you change the password or create a new account in time after logging on the system.



3.2 Main Interface

After login, the main window of Network Maintenance System will appear, as follows:



Program main window includes four working areas as follows:

Menu Bar: Provide menus for all functions; include “File”, “Setting”, “View”, “Create”, “Control”, “Maintenance”, and “Advanced”.

“File”: Include “Log off” and “Exit”

“Setting”: Include “Add Workgroup”, “Edit Workgroup”, “Delete Workgroup”, “Change Client”, “Delete Client”, “Search Client”, “Adjust Client Position”, “Save Client Position”, and “Administrator”.

“View”: Include “Resource Information”, “Data Sending Record”, “Icon Mode”, and “List Mode”.

“Create”: Include “Program Module”, “File Module”, and “Module Management”.

“Control”: Include “Remote Monitor”, “Remote Wake up Client”, “Remote Shut down Client”, and “Remote Restart Client”.

“Maintenance”: Include “Remote Recover”, “Force to Open”, “Synchronously Force to Save”, “Change Parameter”, “Network Distribution”, “Uninstall Distribution”, and “File Transfer”.

“Advance”: Include “Maintenance Schedule”, “Uninstall Client”, and “Register Client”.

Tool Bar: Provide hotkeys for frequently used functions.

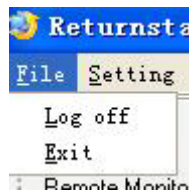
All Workgroups Area: Display the arrangement and affiliation of all workgroups and clients in tree view. Here you can select workgroup or client, and perform certain functions.

Selected Workgroup Area: Display all clients of current workgroup in List Mode or Icon Mode. Here you can select client and perform certain functions. The default display mode is Icon Mode.

Chapter 4 Operations

This part will explain the usage of each function. All functions are included in Menu Bar, and some certain functions can also be achieved through Tool Bar and Right-key Menu. Before you run some operations, you should select one or more clients first. In case you haven't specified any client, the system will select all clients in default.

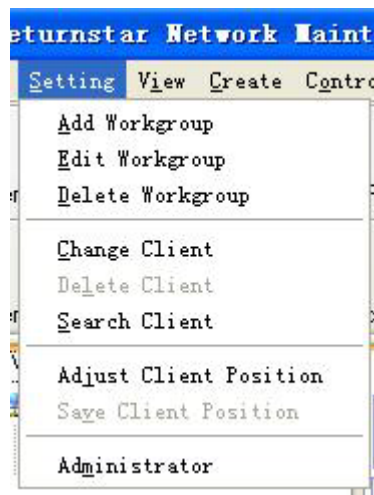
4.1 File



Log off: Click this button to log off and return to the login window.

Exit: Click this button to exit Network Maintenance System Sever

4.2 Setting



4.2.1 Add Workgroup: In All Workgroups Area, select a node under which you want to add new workgroup (when selected, the node icon turns blue), then select "Add Workgroup". In the pop-up dialog box, input the name of workgroup, click "OK" to finish. The newly added workgroup will be displayed In All Workgroups Area. Setting different workgroup helps the administrator conveniently manage clients. The administrator can allocate clients to different workgroup according to their requirements.

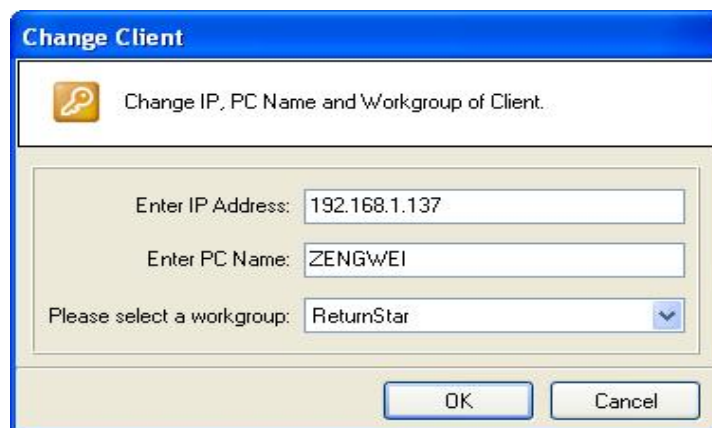
4.2.2 Edit Workgroup: In All Workgroups Area, select a workgroup, and select "Edit Workgroup", following window will appear.



Input a new name in this window, and click “OK” to finish rename the workgroup.

4.2.3 Delete Workgroup: In All Workgroups Area, select a workgroup, then select “Delete Workgroup” to delete the workgroup.

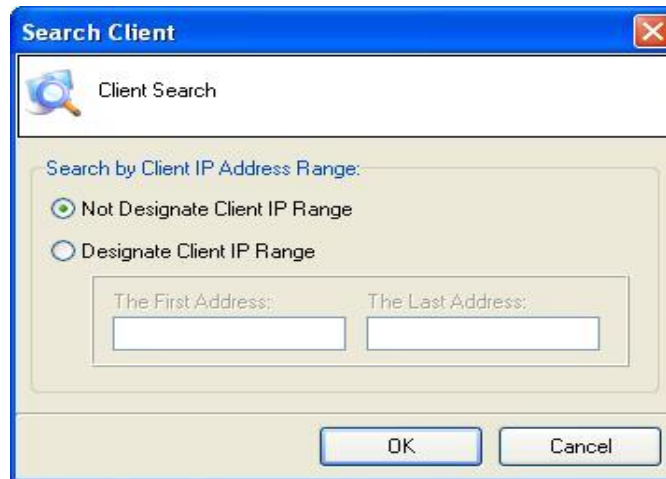
4.2.4 Change Client: Select a client In All Workgroups Area or Current Workgroup Area (when selected, the client icon will turn blue), and then select “Change Client”. Following window will appear.



In this window you can modify the client’s IP, computer name, and workgroup.

4.2.5 Delete Client: Select client, click “Delete Client” to delete it.

4.2.6 Search Client: Click “Search Client” in toolbar to find client. The system provides two methods to search.



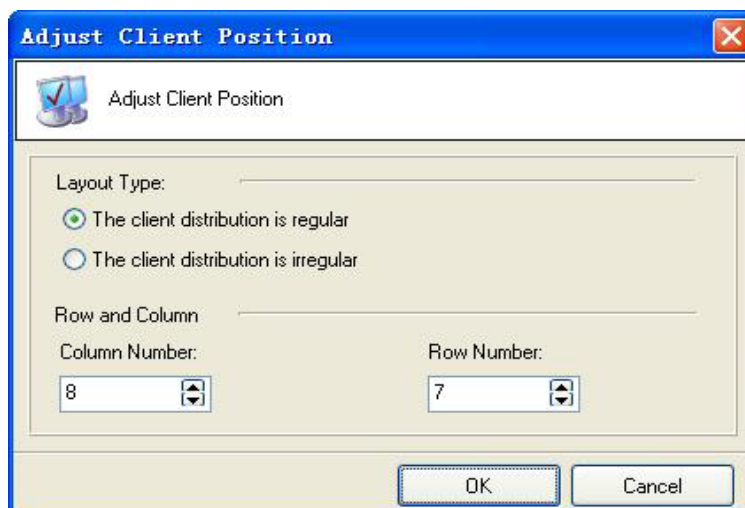
A. Not Designate Client IP Range: If you select this option, server will search all clients automatically. The system defaults to select this option.

B. Designate Client IP Range: If you select this option, you can specify the first and last IP address, and sever will automatically search clients in this range.

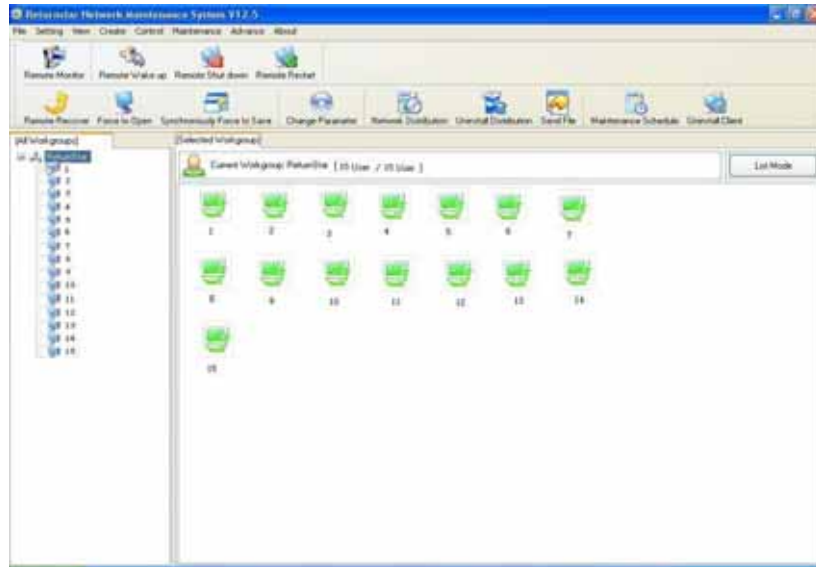


Caution: In case the Recovery Smart V12.5 installed on the clients are unregistered, Network Maintenance can only search out 3 clients. The server can fully operate these 3 clients. If you want to search out more clients and operate, please purchase the USB Key for Batch Registering Recovery Smart V12.5 to register the Recovery Smart.

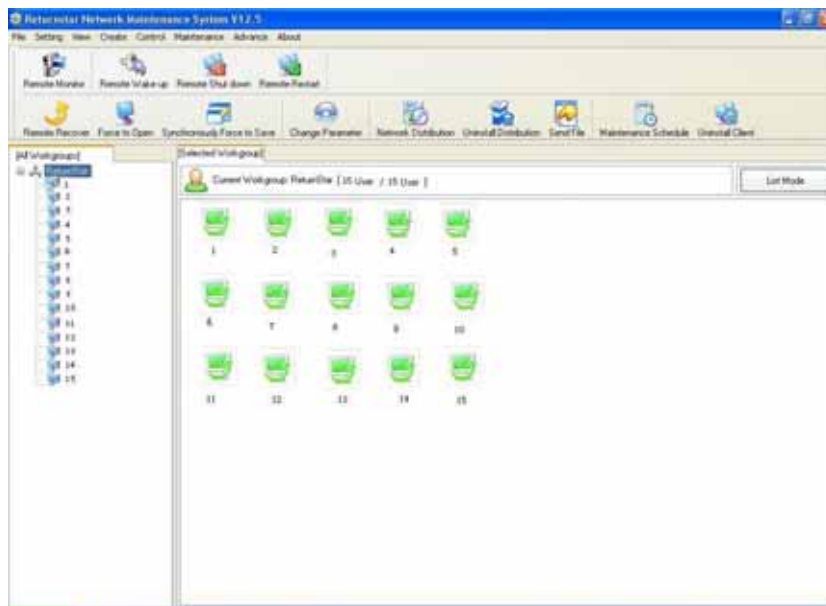
4.2.7 Adjust Client Position: If it is the first time you run Network Maintenance System Server, the system defaults to display icons in 7 rows × 8 columns in the selected workgroup area and seriate according to the client position. If your clients are not arranged according to 7 rows × 8 columns, please select “Adjust Client Position” in “Setting” menu to adjust the client position. Ways to adjust are as follows:



If the client distribution is regular: In the pop-up dialog box input the column and row number, select *“The client distribution is regular”*, and click *“OK”*, server will automatically adjust the client position according to columns and rows you input. For example: if you input 5 columns ×5 rows, the client layout will be as follows:

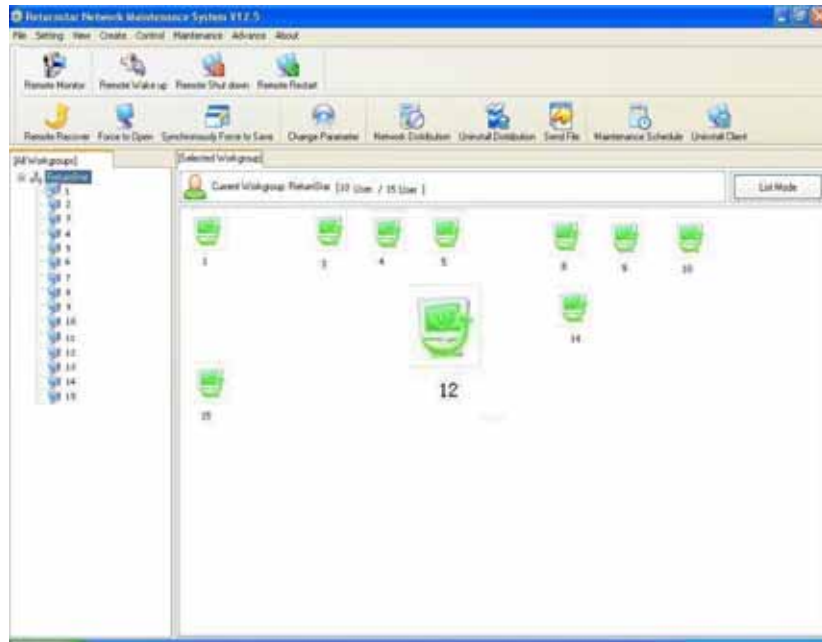


(The client distribution before adjusting)

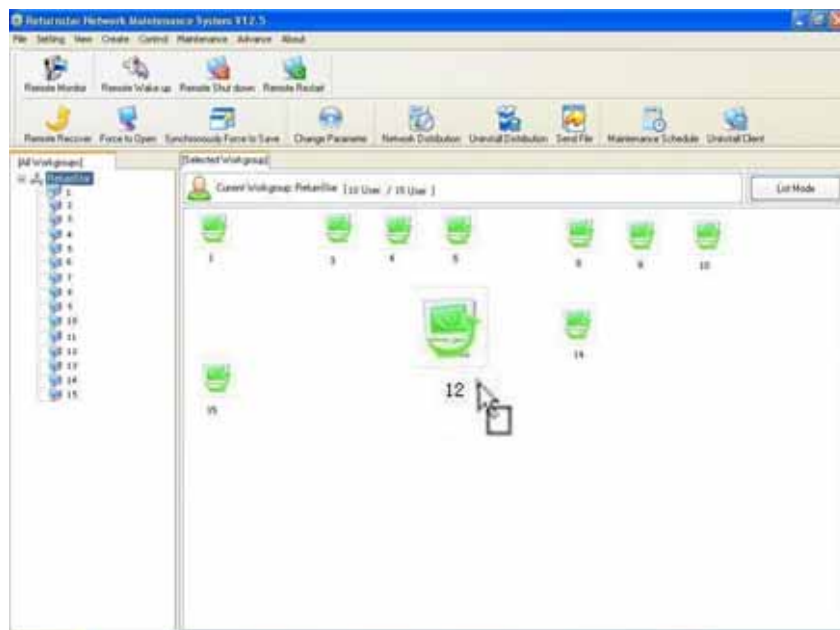


(The client distribution after adjusting)

If the client distribution is irregular: In the pop-up dialog box input column and row number, select *“The client distribution is irregular”*, and click *“OK”*, server will adjust the client position according to the columns and rows you input automatically. For example: if you input 10 column×10 rows, the layout will be as follows:

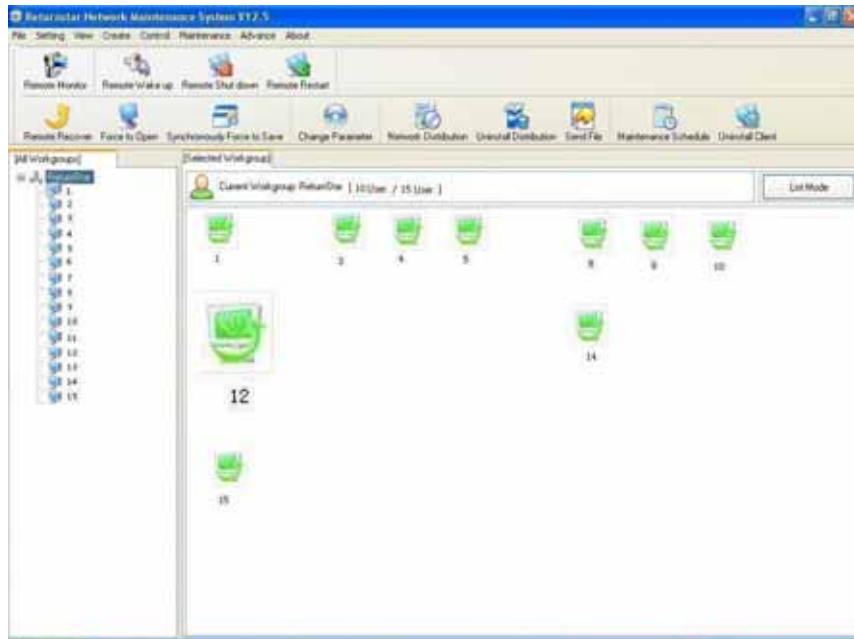


(The client distribution before adjusting)



(The client distribution after adjusting)

From above you can observe that after adjusting the client position, there are many vacancies left. Now you can adjust the client position according to the physical distribution of clients. Select a client (for example, No.12 client), hold the mouse left-key and drag the client to desired place, and then release the key. As follows:

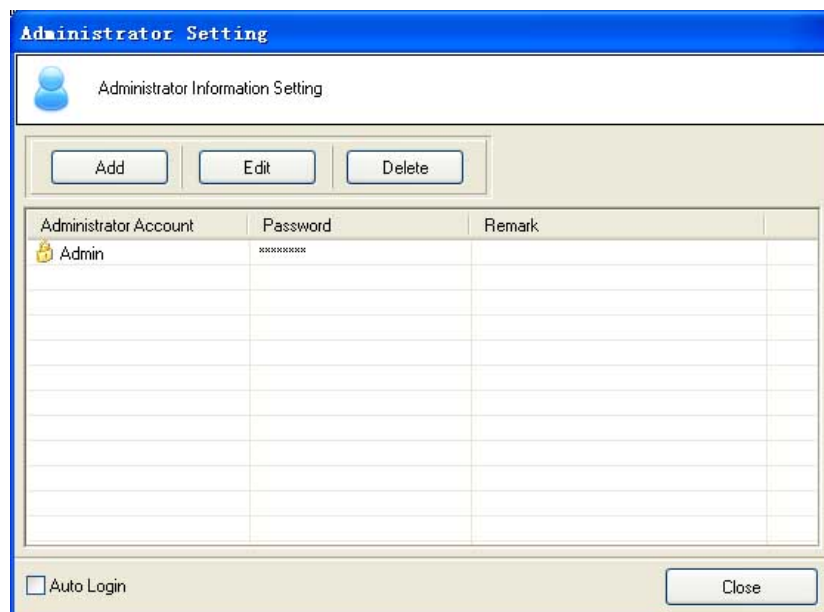


(The final client distribution after adjusting)

4.2.8 Save Client Position: To avoid faulty operation and mistakenly change client position afterwards, please make sure to save the client layout every time after adjusting. In “Setting” menu select “Save Client Position”, and then the client position in the workgroup will not be moved and changed until you select “Adjust Client Position” and adjust again.

4.2.9 Administrator

Select “Administrator” in “Setting” menu, as follows:



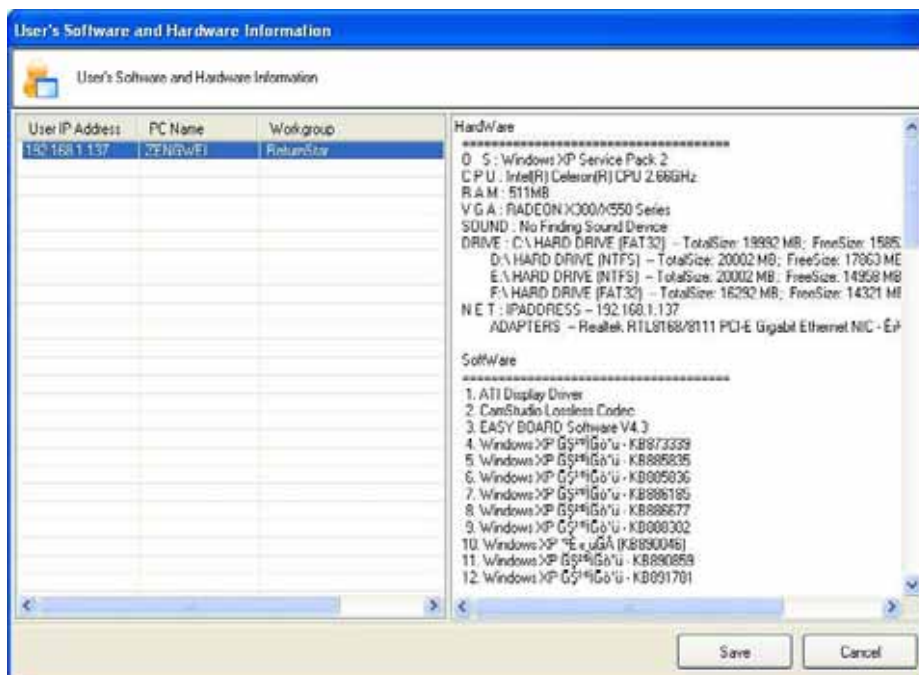
You can add new administrator account, or change and delete the administrator account and password to the object administrator you select. The server program allows setting multiple administrator accounts simultaneously for the convenience of administrators to manage. Type in any a correct administrator account and password each time logging on it will enter the server program. Please modify the default administrator account and password in time. You also can enable “Auto Login” function, after that you only need to double-click the desktop shortcut to enter the main window.

4.3 View



4.3.1 Resource Information

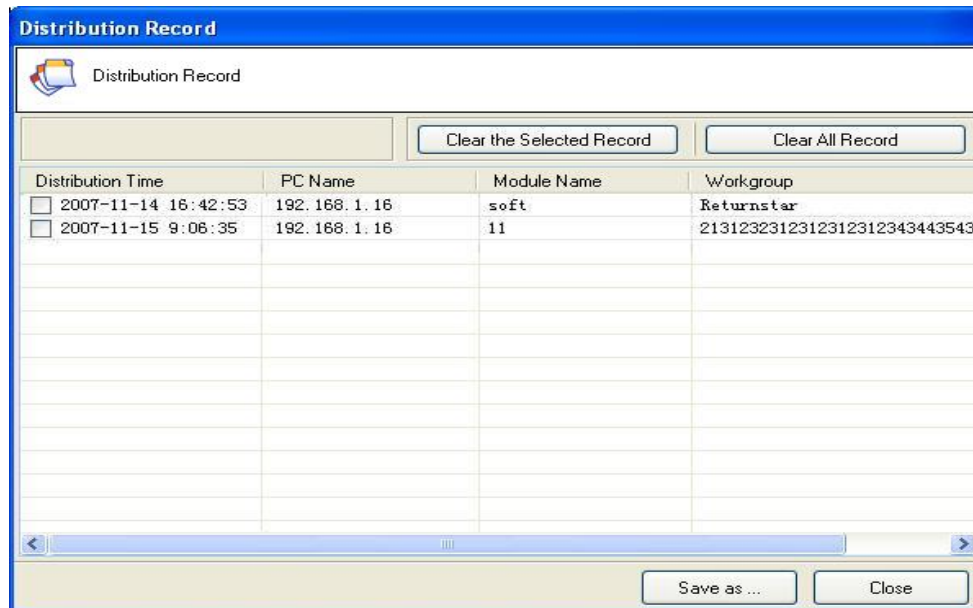
Select “Resource Information” in “View” menu, and then you can view the object client resource information in the current workgroup, namely client software and hardware configuration. As follows:



Click “Save” button, and client information will be saved in “.txt” file format to your appointed directory.

4.3.2 Data Sending Record

Select “Data Sending Record” in “View” menu, and then you can view history record of client program or file distribution, uninstall distribution and file transfer of object client in the current workgroup. Administrator can clearly know about the install and uninstall of program or game on client. Without object client, system defaults to display the record for all clients in current workgroup.





Click “Clear the Selected Record” or “Clear All Record” to clear the record in the list. Click “Save as” button, the record will be saved in “.txt” file format to your appointed directory. Click “Close” button to exit this window.

4.3.3 Icon Mode:

The meanings of each icon are as follows.


Icon	Client Status	Details	Icon	Client Status	Details
	Off line	The client not startup or log on.		On line	Keep mode
	On line	Network Maintenance System has been installed on the client, but		On line	Open mode

		Recovery Product hasn't been installed			
	On line	Recovery mode	009	The computer name of Client position number.	

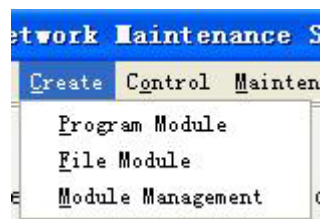
 **Caution:** In case the Recovery Smart V12.5 installed on the clients are unregistered, Network Maintenance can only search out 3 clients. Other clients will not be displayed either in Icon Mode or List Mode. If you want to display more clients, please purchase the USB Key for Batch Registering Recovery Smart V12.5 to register the Recovery Smart.

4.3.4 List Mode:

The List Mode shows client information including IP address, computer name, operating system, client state, work mode, buffer information, Mac address, workgroup. If you can not get all information, and “Work Mode”, “Buffer Information” shows “Unknown”, it indicates the client does not install the Recovery Product, or the Recovery Product can not work normally. “Off Line” indicates the client does not start up or log-on. Please check the reason to solve the problem.

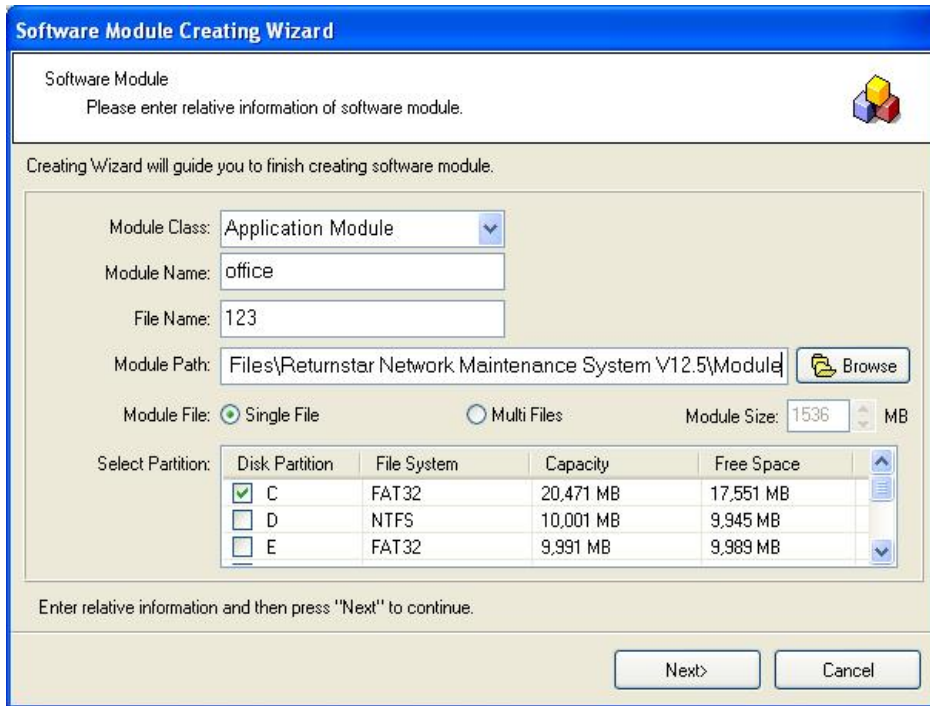
 **Prompt:** no matter it is List Mode or Icon Mode, the system defaults to arrange clients according to the IP addresses, from small to large.

4.4 Create



4.4.1 Program Module

Select “Program Module” in “Create” menu, the Program Module Making Window will appear, as follows:



Module Type: Define the module type, such as Tool or Game. You also can select existing Module Type from the drop-down menu. The default is “Application Module”.

Module Name: Input a name for the module, such as Dreamweaver or Rising 2008.

File Name: Input a name for the module file, such as Dreamweaver or Rising 2008, then the generated module file will be Dreamweaver.PAK or Rising 2008.PAK

Module Path: Select a path to save the module file. The system default is “C:\Program Files\Returnstar Network Maintenance System V12.5\Module”

File Number: In case the module file is less than 3G, please select “Single”. Otherwise, please select “Multi”, and set the “File Size” (between 2G-3.5G). For example, if you want to make a 5G module, please select “Multi Files”. Suppose you set the File Size as 2G, then 3 module files will be generated, of which the first two are 2G, and the last one is 1G. The module file will be named according to the File Name set before. For example, if the File Name is WORD.PAK, then the name for module file will be WORD1.PAK, WORD2.PAK, WORD3.PAK...

Partition: Select the partition in which you install the program. This partition will be scanned for module making, and latter the module will be installed in the relevant partition in Student Computer. Partition C is mandatory in system default.

Detailed steps are as follows:

Step 1. Scan system: After the setup, click “Next” to scan the computer for the first time. After scanning, click “Finish” button, the system will automatically save the scan result.

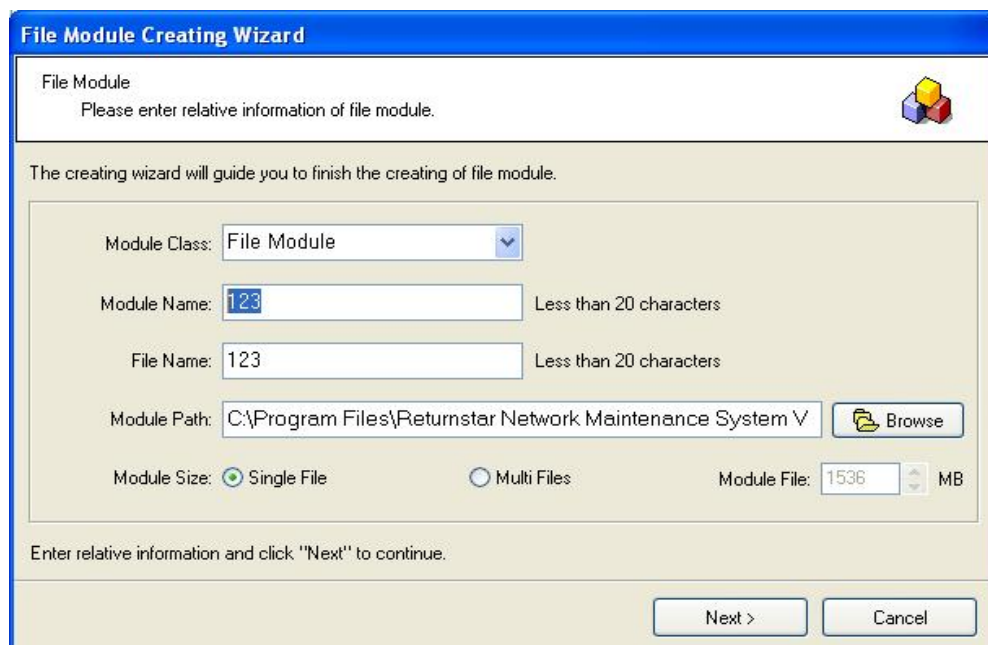
Step 2. Install one or more programs in Teacher Computer: For example, Dreamweaver.

Step 3. Scan System again: After the program is installed, click “Operation” – “Program Module” in the Menu Bar to popup the Program Module Making Window again, and click “Next” to scan the system for the second time.

Step 4. Finish the Module Making: After scanning, click “Finish” button to finish making the module, Network Maintenance System will automatically create the module in appointed path according to the predefined parameters, and generate the module information in Module List.

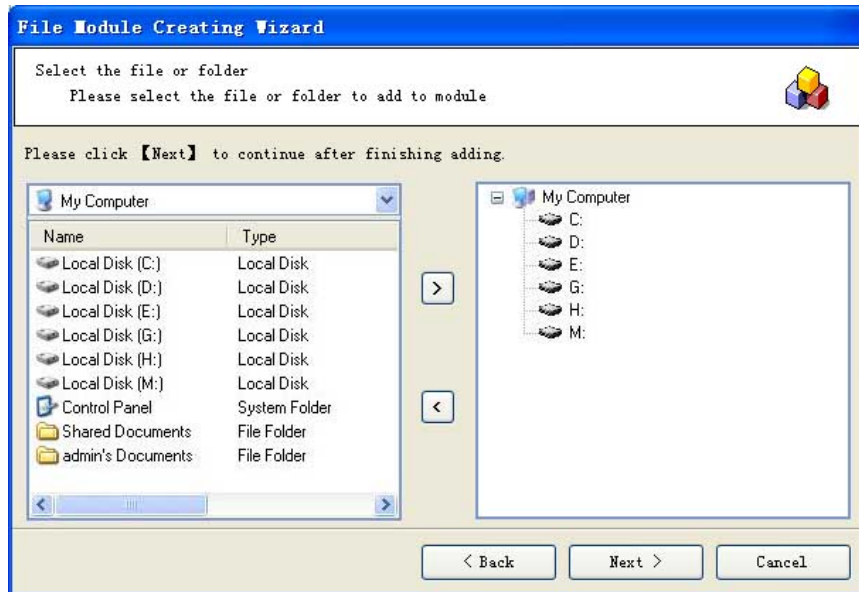
4.4.2 File Module

Select “File Module” in the “Create” menu, the File Module Making Window will appear, as follows:



The screenshot shows a dialog box titled "File Module Creating Wizard". The window has a blue title bar and a light beige background. At the top, it says "File Module" and "Please enter relative information of file module." Below this, a message states: "The creating wizard will guide you to finish the creating of file module." The main area contains several input fields: "Module Class" is a dropdown menu set to "File Module"; "Module Name" is a text box containing "123" with a note "Less than 20 characters"; "File Name" is a text box containing "123" with a note "Less than 20 characters"; "Module Path" is a text box containing "C:\Program Files\Returnstar Network Maintenance System V" with a "Browse" button to its right; "Module Size" has two radio buttons, "Single File" (which is selected) and "Multi Files"; and "Module File" is a spin box set to "1536" with "MB" to its right. At the bottom, there is a message: "Enter relative information and click 'Next' to continue." and two buttons: "Next >" and "Cancel".

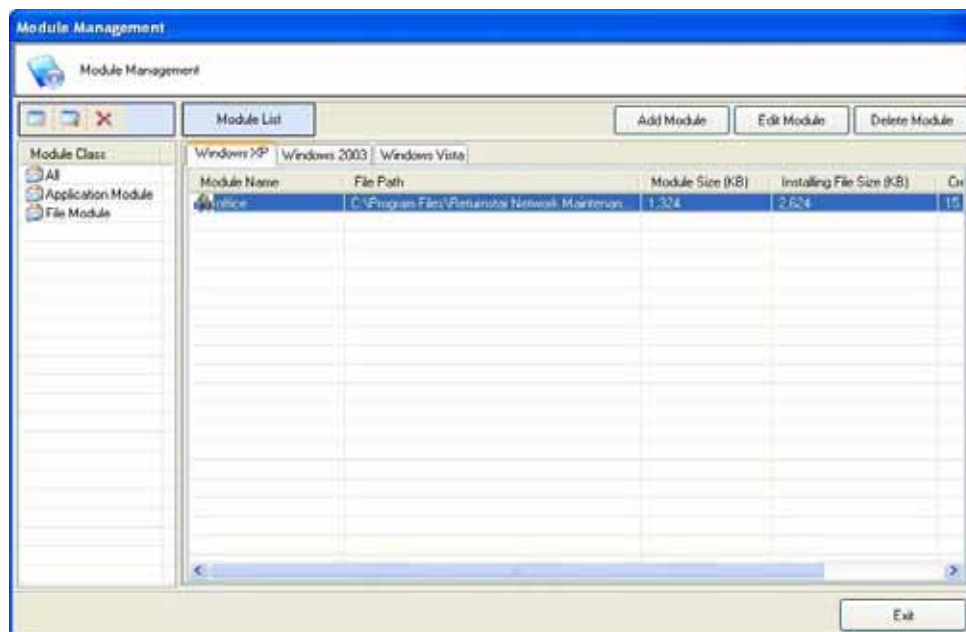
Similar to making Program Module, set the relevant parameters and click “Next” to add file to be distribute, following window will appear.



Select file or folder you want to add, and click “Next” to start making module. The making progress will be displayed in a window. After the progress become 100%, click “Finish” to finish the module making.

4.4.3 Module Management

Select “Module Management” in “Create” menu to show the Module List. This function allows the administrators to know about the module information clearly and to manage module effectively (including add, edit and delete module), as follows:

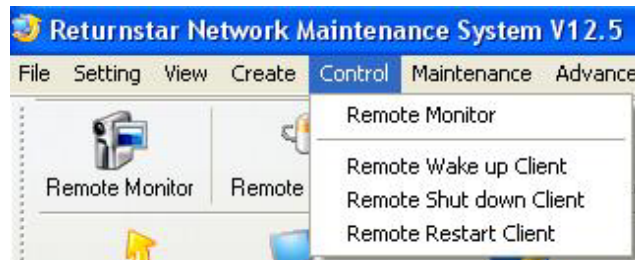


Right-click on the Module Type area to add, edit, and delete module type. Right-click on the Module List area to add, edit, and delete module.



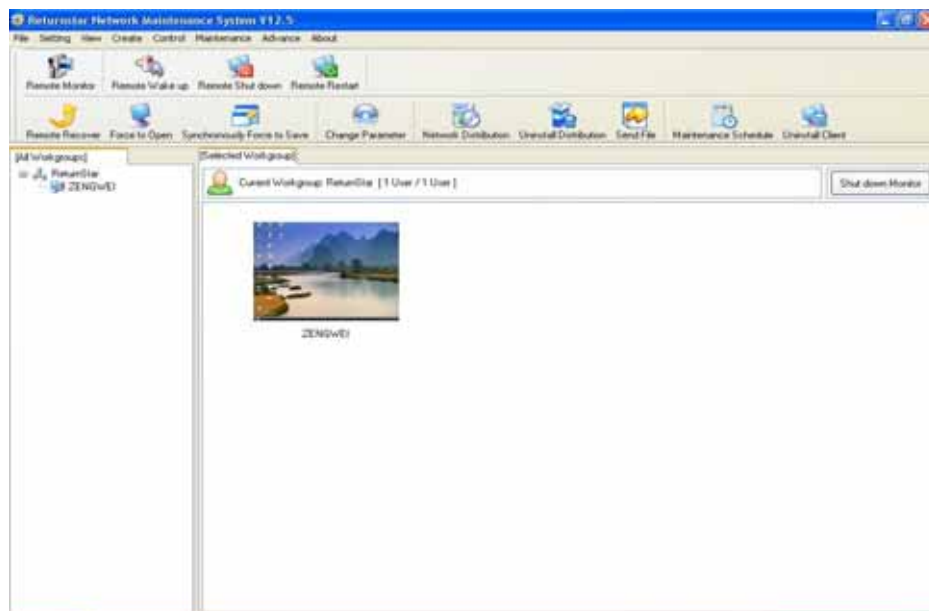
Caution: Network Maintenance System manages modules according to different operating system, e.g. modules created in Windows XP can only be distributed among Windows XP OS.

4.5 Control



4.5.1 Remote Monitor

Click “Remote Monitor” in “Control” menu and you can monitor the screen of the object client in the current workgroup. Without object client, system defaults to monitor all client screens in the current workgroup which have logged on. As follows:



Double-click the client screen icon to display it in full screen and then you can take over to manage and remote operate the client. To save your operation, please toggle the client to open mode first.



Caution: The number of client screen icons displayed in one window should not exceed 9. Otherwise, the computer will run slow, and the icons cannot be displayed normally.

4.5.2 Remote Wake up Client

Click “Remote Wake up Client” in “Control” menu, you can remotely wake up the selected clients. In case you haven’t specified a client, all closed clients in current workgroup will be started.



Cautions:

Before you execute “Remote Wake up Client” function, make sure following requirements are achieved on client to be waked up.

- 1) Use ATX POWER;
- 2) Use Motherboard with Wake-up On LAN function;
- 3) Use LAN card with Wake-up On LAN function;
- 4) Connect Motherboard and LAN card with tri-core cable by inserting one end of the cable into the JP2 slot of LAN card, and the other end into the Wake-up On LAN slot of motherboard. (If your LAN card supports PCI Wake up, you do not need to connect the cable).
- 5) Set the subnet mask must be 255.255.255.xxx;
- 6) Enable the “Wake-up on LAN” option in the BIOS (CMOS) setting.
- 7) Make sure computer motherboard is powered on.

Please refer to the manual of motherboard or BIOS and LAN card for details.

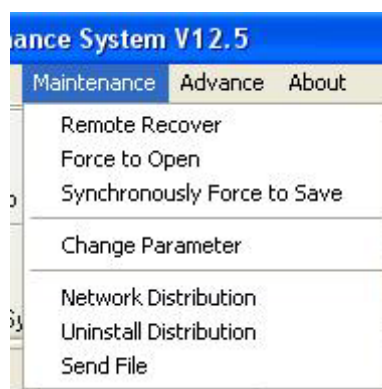
4.5.3 Remote Shut down Client

Click *“Remote Shut down Client”* in *“Control”* menu, you can remotely shut down the selected clients. In case you haven’t specified a client, all started clients in current workgroup will be shut down.

4.5.4 Remote Restart Client

Click *“Remote Restart Client”* in *“Control”* menu, you can remotely restart the selected clients. In case you haven’t specified a client, all closed clients in current workgroup will be restarted.

4.6 Maintenance



4.6.1 Remote Recover

Click *“Remote Recover”* in *“Maintenance”* menu, you can remotely recover the selected client. The selected client will be automatically restarted, clear the buffer data, and enter OS in the previous work mode. In case you haven’t specified a client, all started clients in current workgroup will be recovered.

4.6.2 Force to Open

Click *“Force to Open”* in *“Maintenance”* menu, you can remotely force the selected client to enter Open Mode. The selected client will be automatically restarted and enter the Open Mode. Now all operations on the client will be saved. After you restart the client again, the client will turn back into its previous work mode. Namely, the Open Mode functions only once. In case you haven’t specified a client, all started clients in current workgroup will be forced to enter Open Mode.

4.6.3 Synchronously Force to Save

Click *“Synchronously Force to Save”* in *“Maintenance”* menu, you can remotely control the selected client to perform Force to Save function. The selected client will be automatically restarted, save the buffer data, and enter OS in the previous work

mode. In case you haven't specified a client, all started clients in current workgroup will be selected in default.



Prompt: Before performing this function, make sure the client system has not been damaged and the buffer data have not been infected with virus.

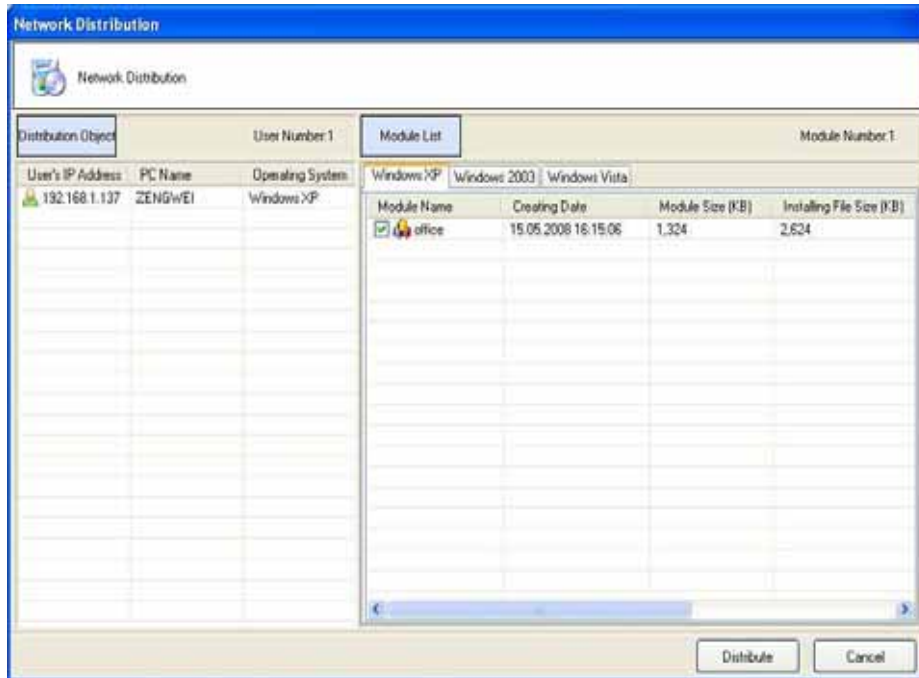
4.6.4 Change Parameter

Click "Change Parameter" in "Maintenance" menu, following parameter setting window will appear, and you can remote change the parameter of Recovery Product in the selected client. In case you haven't specified a client, all normal working clients in current workgroup will be selected in default. After modifying the parameter, the client computer will be automatically restarted.

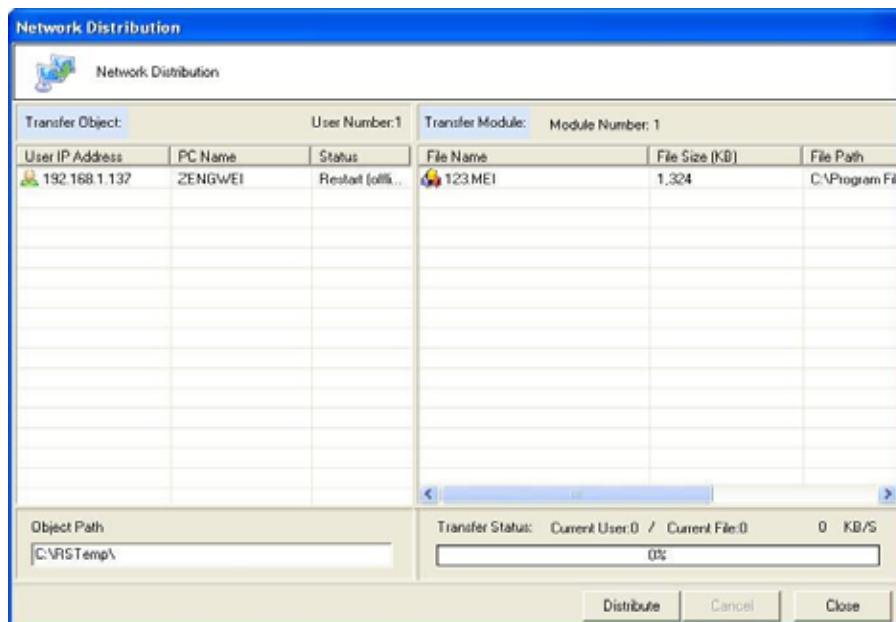
Protected	Partition	File System	Total (MB)	Free Space (MB)
<input checked="" type="checkbox"/>	C:	FAT32	19,992	15,858
<input checked="" type="checkbox"/>	D:	NTFS	20,002	17,863
<input checked="" type="checkbox"/>	E:	NTFS	20,002	14,958

4.6.5 Network Distribution

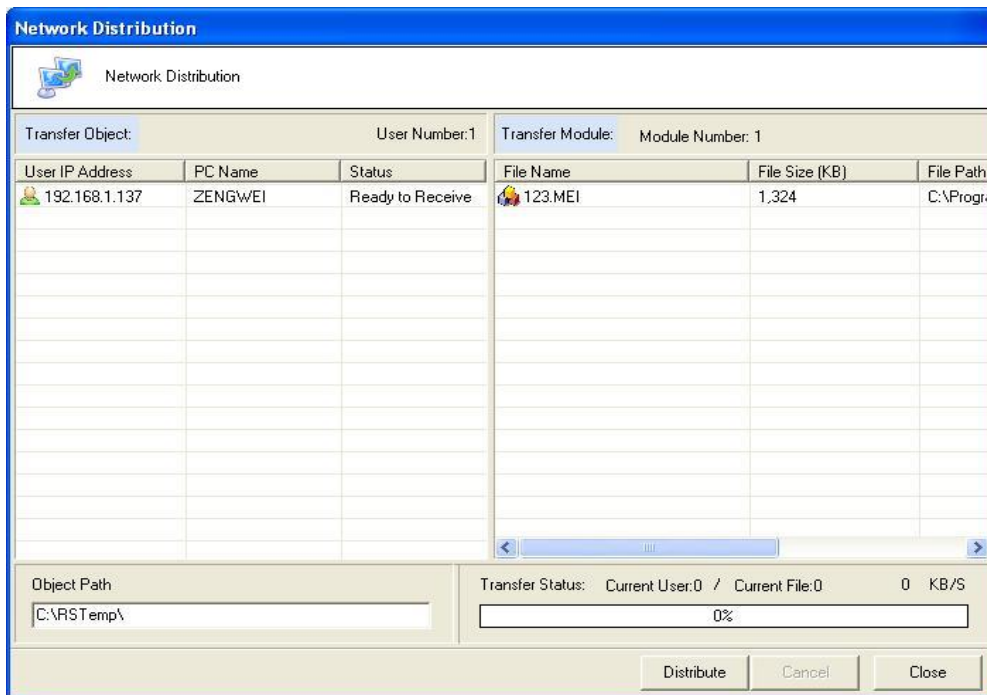
Click "Network Distribution" in "Maintenance" menu, you can distribute the program or file to the selected client. In case you haven't specified a client, all clients in current workgroup will be selected in default. As follows:



On the left side of the screen is the Distribution Object, and on right side of the screen is the Module List. Select module you want to distribute on the Module List, then click “Distribute”, following window will appear.



Now the Transfer Object will restart and its status displays “Restart (Offline)”. After restarting, the status will become “Ready to Receive”. As follows:

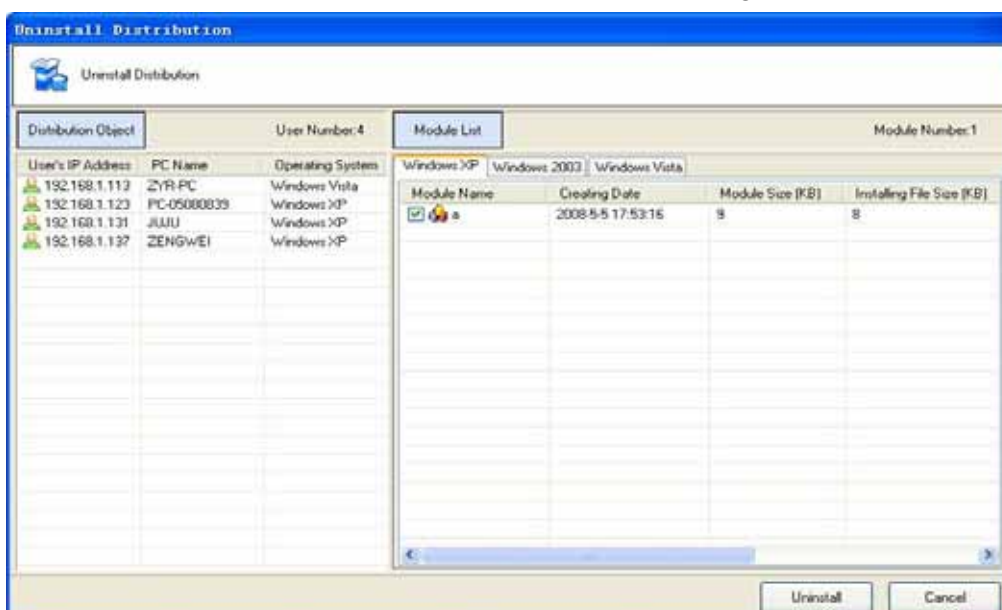


Wait for the status of all Transfer Object become *“Ready to Receive”*, then click *“Distribute”* to start. You can select *“Cancel”* to stop distributing during the process. After the distribution is finished, click *“Close”*. The finished Transfer Object will automatically restart and update the data, and their work mode will not be changed.

4.6.6 Uninstall Distribution

This function allows you to uninstall the distributed module.

Click *“Uninstall Distribution”* in *“Maintenance”* menu, following window will appear.



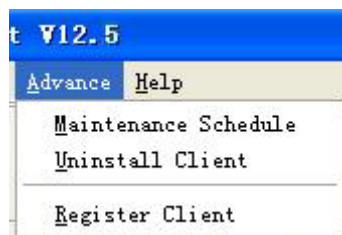
In the pop-up window, select function you want to perform.

Input file save path (system default is "C:\RSTemp\") in object path box on the bottom left, and click "Transfer" to finish. The files or folders will be auto saved in your appointed path in clients.



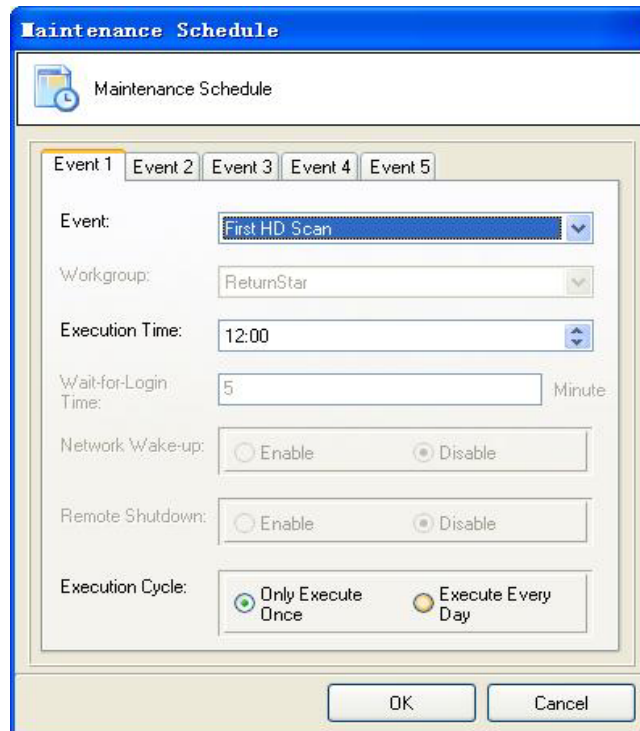
Caution: Before transferring file, you must make the object client in the open mode. If it is not in the open mode, when you finish transferring file to partition which is protected, you have to force to save data for the client to save the received files. Before forcing to save data, please make sure the client system has not been damaged and data in the buffer not infected by virus.

4.7 Advance



4.7.1 Maintenance Schedule

Click "Maintenance Schedule" in "Advance" menu to pop-up the maintenance schedule setup window. This function enables administrator to setup the network maintenance schedule and event occurrence time so as to auto maintain or update the network during the administrator's break time.



4.7.1.1 Events 1/2/3/4/5: you can select event class in pull-down menu, including: first HD scan, second HD scan, increment network distribution, remote recovery, force to save synchronously and change parameter. System default is empty event.

First HD Scan: Similar to the scan function of *“Program Module”* in *“Create”* menu. The difference is that it is to scan the whole HD.

Secondary HD Scan: Similar to the scan function of *“Program Module”* in *“Create”* menu. The difference is that it will scan the whole HD and compare the result with *“First HD Scan”*, and as well automatically create module files of no more than 3.5 G for the increment part.

Increment Network Distribution: Similar to the function of *“Network Distribution”* in *“Maintenance”* menu, the difference is that it will distribute the increment module file produced by the first and second HD scan in Maintenance Schedule.

Remote Recover: Similar to the function of *“Remote Recover”* in *“Maintenance”* menu.

Synchronously Force to Save: Similar to *“Synchronously Force to Save”* in *“Maintenance”* menu.

Change Parameter: Similar to the function of *“Change Parameter”* in *“Maintenance”*. The difference is that it will update the work parameter of Recovery Product in client to the same as that of server.

4.7.1.2 Workgroup: Select object workgroup in pull-down menu. System default is the whole workgroup.

4.7.1.3 Execution Time: You can setup event occurrence time (from 00:00 to 23:59). The time is subject to server's window system time.

4.7.1.4 Wait-for-Login Time: You can set "Wait-for-Login Time" from 1 to 60 minutes. 5-20 minutes is suggested.

4.7.1.5 Network Wake-up: You can setup whether to wake-up the client in the maintenance workgroup which needs timely maintenance when the occurrence time is coming.

4.7.1.6 Remote Shutdown: You can setup whether to turn-off the client in the maintenance workgroup which needs timely wake-up.

4.7.1.7 Execution Cycle: You can setup whether events to be executed once or everyday. If just "Only execute once", after it is done the previous setup will be valid.

If you select "First HD Scan" or "Secondary HD Scan", options 4.7.1.2, 4.7.1.4, 4.7.1.5, 4.7.1.6 above will turn grey.



Prompt: *When the occurrence time is arrived:*

- 1. If the server has not logged on server program, then the event cannot be preformed.*
- 2. After the First HD Scan, you should manually add or delete program or file in server.*
- 3. The time interval between "First HD Scan", "Second HD Scan", and "Increment Network Distribution" should be not less than 20 minutes, and these three events should be performed in sequence. Otherwise error may occur in Network Maintenance.*

After finishing the above setup, click "Save" and exit, system will auto distribute HD data increment quickly at appointed time according to schedule.

4.7.2 Uninstall Client

Click "Uninstall Client" in "Advance" menu, you can uninstall the selected client and the installed Recovery Product in the current workgroup. In case you haven't specified a client, all clients installed with Recovery Product in the current workgroup will be uninstalled. After uninstalling, the client will automatically shut down.



Prompt:

1. The client should be in "Open Mode" when uninstalling.
2. You can uninstall Recovery Product on several clients in batch rather than uninstall them one by one.

4.7.3 Register in Batch

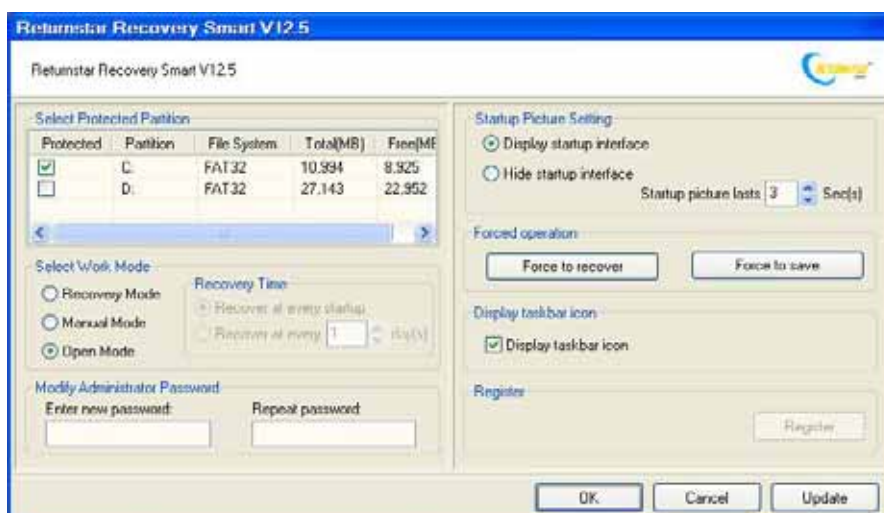
In case the Recovery Smarts installed on some clients are unregistered, you can register these Recovery Smart in batch.

First insert the USB Key for Batch Registering Recovery Smart V12.5 into a USB port on your computer, then click "Register in Batch" button in "Advance" menu, following window will appear.



In this window you can know how many sets of Recovery Smart can be registered in batch. (For example, 15 users mean this USB Key can register 15 sets of Recovery Smart. If your USB Key can register 150 clients, you can install 50 sets first, and register the other 100 in future.)

Click "Yes" to start registering. A progress bar will appear. When the progress becomes 100%, all clients will automatically restart. After the client enters OS, press "Ctrl+Alt+Shift+Home" to popup the login window, input the correct password, and enter the setting window. If the "Register" button in the setting window becomes gray, the registration is successful (as follows). Otherwise, you can register again, until succeed.



Prompt:

1. For clients installed with unregistered Recovery Smart, only 3 unregistered client can be recognized by Network Maintenance System without inserting USB key.
2. After Recovery Smart is registered, the client can be recognized whether the USB key is inserted.
2. Returnstar Recovery Card V12.5, Recovery Card Standard V12.5, and USB Recovery Card V12.5 don't need registration.

Chapter 5 FAQ

1 Why are the “Work Mode” and “Buffer Information” in “Client Information” shown as “Unknown” when client has logged on the server and been on-line and Recovery Card has been installed.

A: Please check whether the Recovery Card has got loose in the PCI slot and test whether the card works normally.

2. Why the client is sometime offline in Module Distribution and File Transfer.

A: The transmitting speed is closely related to your network environments. A good network environment will result a smooth transmission. Contrarily, massive data downloading, virus, or poor network device may jam the network, thus cause the low transmitting speed and offline client. So before you run Module Distribution and File Transfer, please check the network environment first.

3. Why can't client and server communicate normally and why does server fail to search out the client after installing Recovery Product?

A: First of all, please check whether the network between the server and the client is normal. If the connection is normal, please check whether the IP addresses of server and client are in the same network. If all are normal, we recommend you to uninstall the Recovery Product on client, and then re-install it.

4. Which operations need to change the work mode of clients to open mode manually?

A: Only when you want to change setting, send file, run remote operation, should you change the work mode to open mode manually. System will change automatically for other operations, no need to adjust manually.