

WinClient[®] Remote Manager

USER'S MANUAL

Revision: WRM 2.1 –2002/10/22

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Notice:

The changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

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1: Introduction

WinClient Remote Manager, WRM, is a system management tool that can be used to manage AXUS WinClient series. In order to achieve the ideal goal of simplify our computing environment, AXUS Microsystems Inc. designed WRM to help administrators to serve more users effectively. WinClient Remote Manager as a central management tool for its Thin Client products networking. Administrators could help the users to operate his/her Thin Clients remotely, effortlessly and centrally. Its friendly graphic interface not only enable administrators to learn the course within 10 minutes, but also provide its user with comfortable functionalities of “IP manager”, “configuration manager”, “F/W manager”, and “wakeup on LAN”. In addition, “thin client refresh support” help administrators to offer real time service to all end users.

1: Features

- Discover Winclients on the network. Easy to manage/control the Winclients on remote site.
- Remotely upload client’s properties & connections.
- Remotely download “properties” and ”connections” to single/multiple clients.
- Upgrade Firmware to single /multiple clients via FTP on WRM
- Remote duplicate connections & properties to single/multiple Winclients.
- Remotely wake-up/power-off the single/multiple clients .

1.2: System Requirements

WinClient Remote Manager must be installed on Microsoft NT Terminal Server or Windows 2000 operating systems

1.3: WinClient Firmware Version Requirements

WinClient Remote Manager is a system management tool that can be used to manage AXUS WinClient series. In order to utilize the full features of WRM, it is highly recommended that upgrade WinClient firmware version to 1.3.2 or higher.

2: WRM Installation

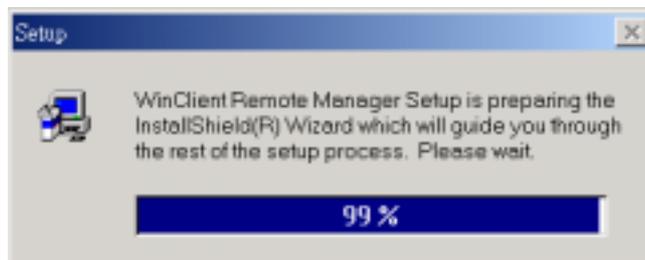
Contact with your WinClient vender to grant you WRM software or download WRM from AXUS FTP Server.

Follow the procedures below to complete the WRM installation.

2-1 Copy the WRM zip file to your server hard disk Director for example C:\WRM.

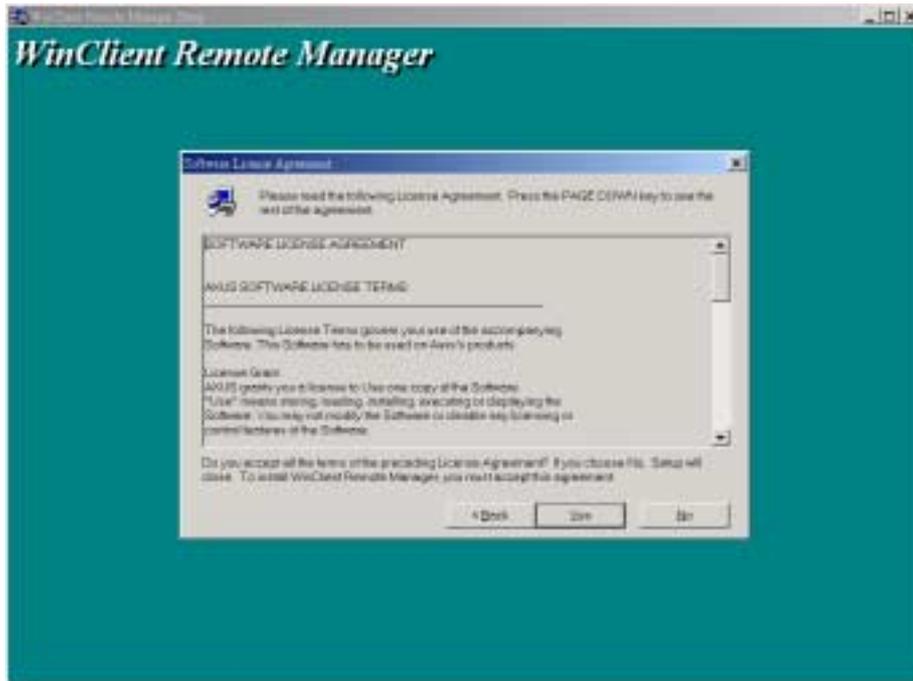
2-2 Locate the file and double click WRM zip file to extract the zip file.

2-3 Follow instructions of WinZip Wizard to extract the zip file.

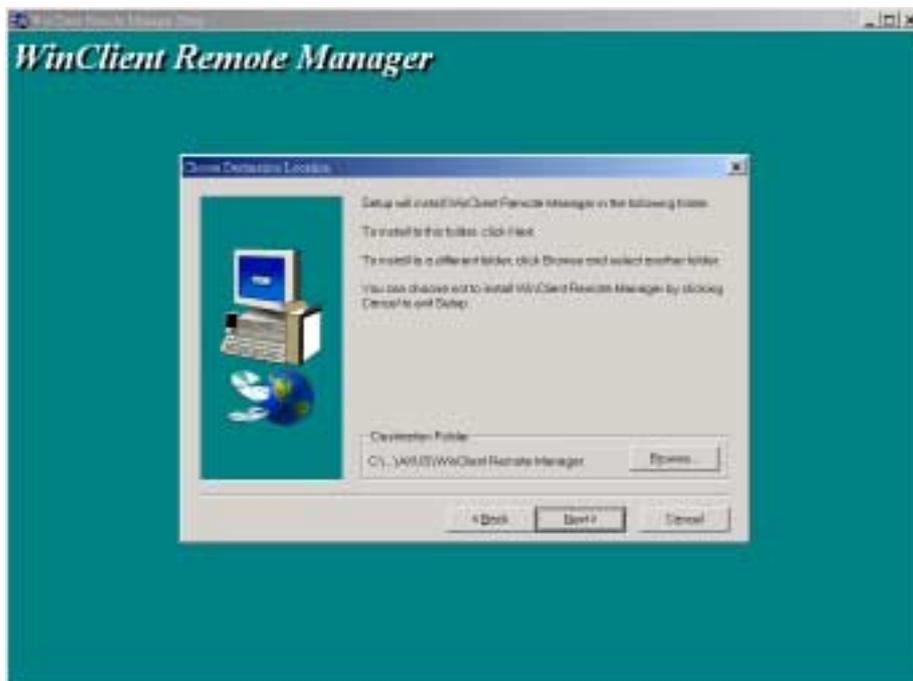


2-4 WRM Setup wizard will help you to set up WRM. Following is steps.

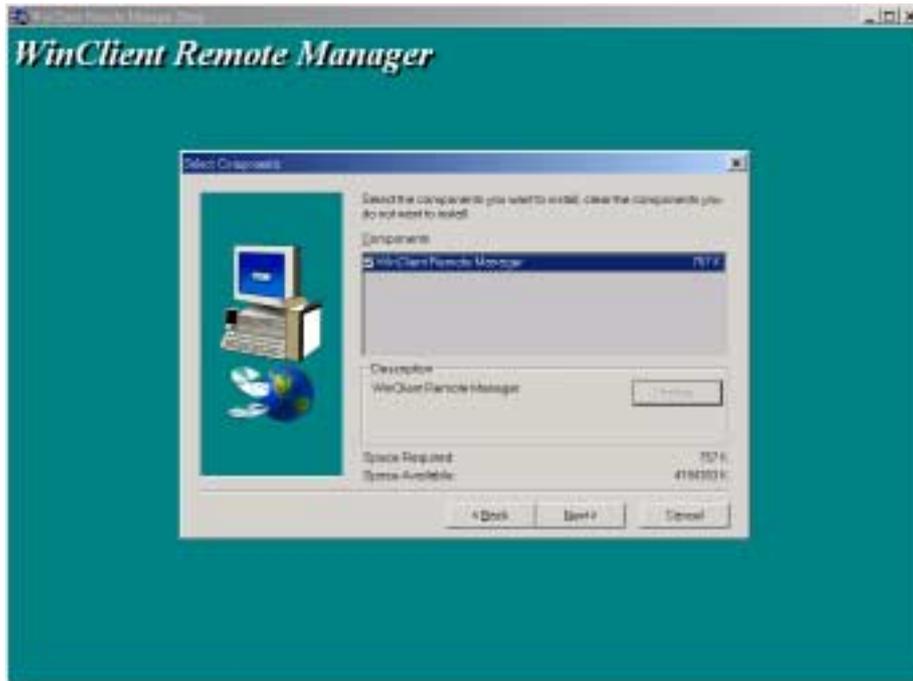
- WRM Software Licensing
- Choose Destination Location
- Select Component
- Select Program Folder
- Start Copying Files
- Finish



WRM Software Licensing



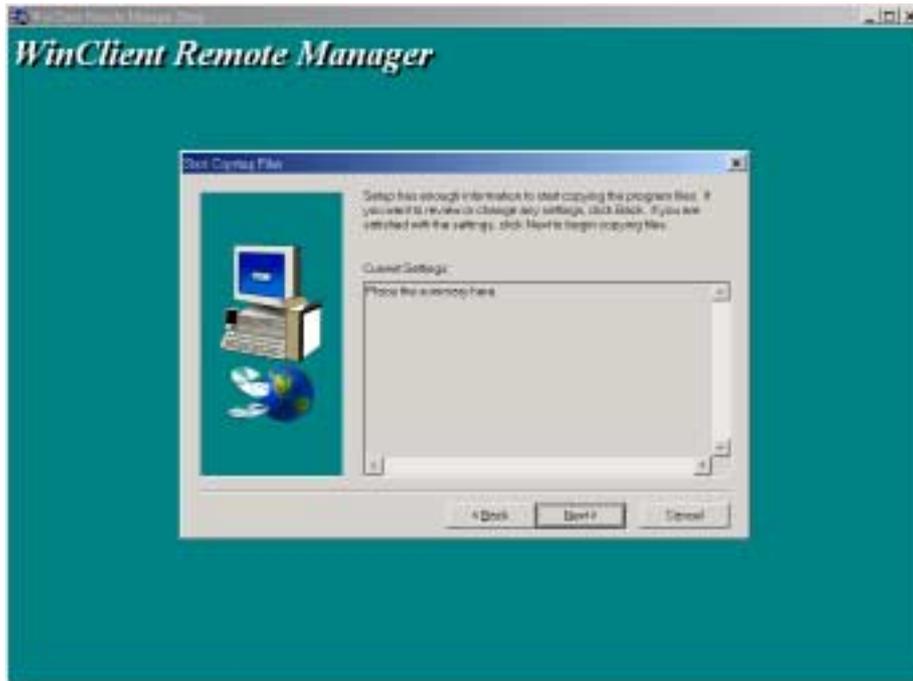
Choose Destination Location



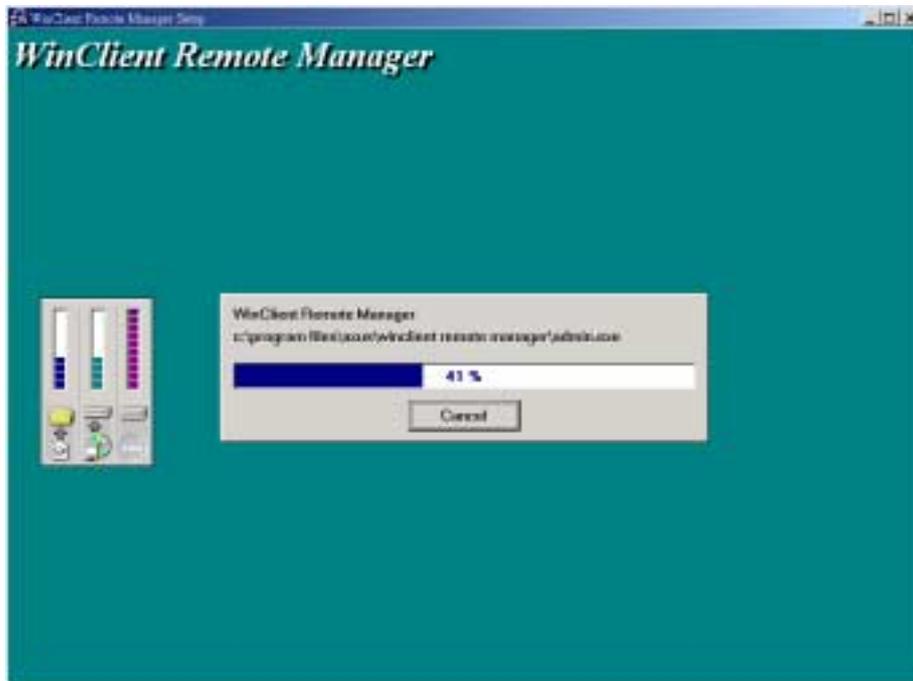
Select Component



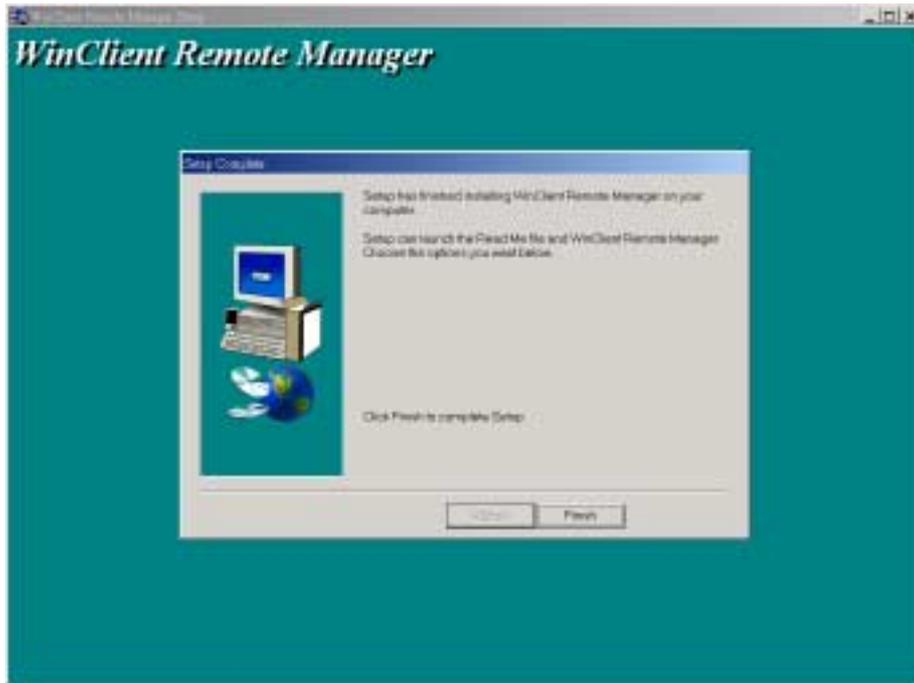
Select Program Folder



Start Copying File

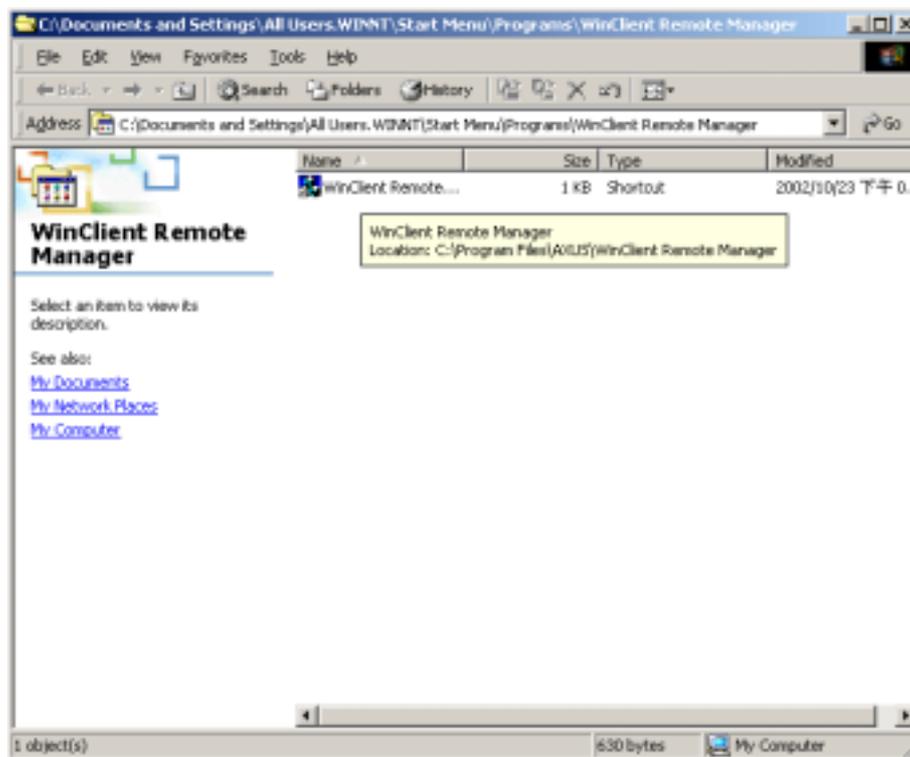


Copying Files



Installation Completed

The WinClient Remote Manager Window will pop up as shown bellow when you finish the WRM installation.



Start Up

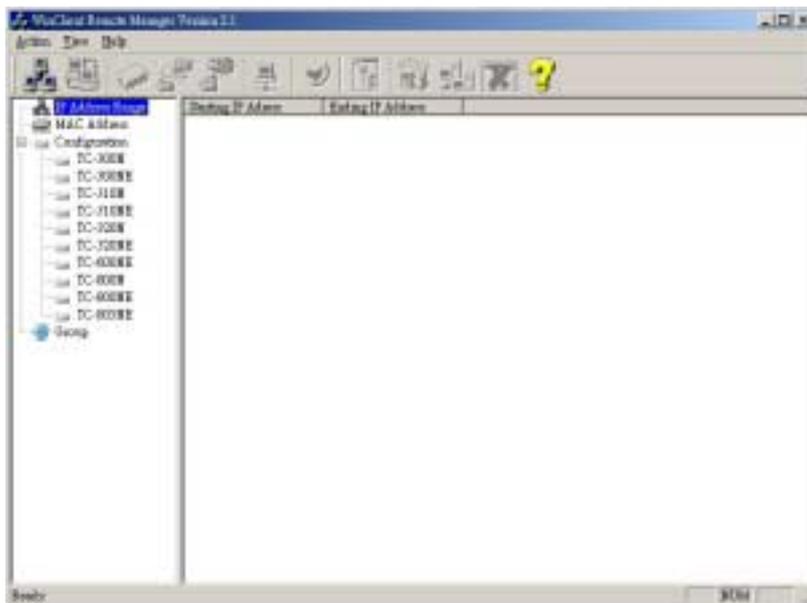
Notices

- *If you cannot find set up wizard after you double click **setup** file . please set up from Windows Start Menu → Open Control Panel → Double click Add / Remove Program
- *Create New Program → Select From CD-ROM or Disk → Press Next button → Press Browse → select C:\WRM\setup to start setup procedures.

3: Start Up

After WRM installation is completed, please run WRM program on Microsoft Windows 2000 or Windows NT4.0 TSE then you will get following features.

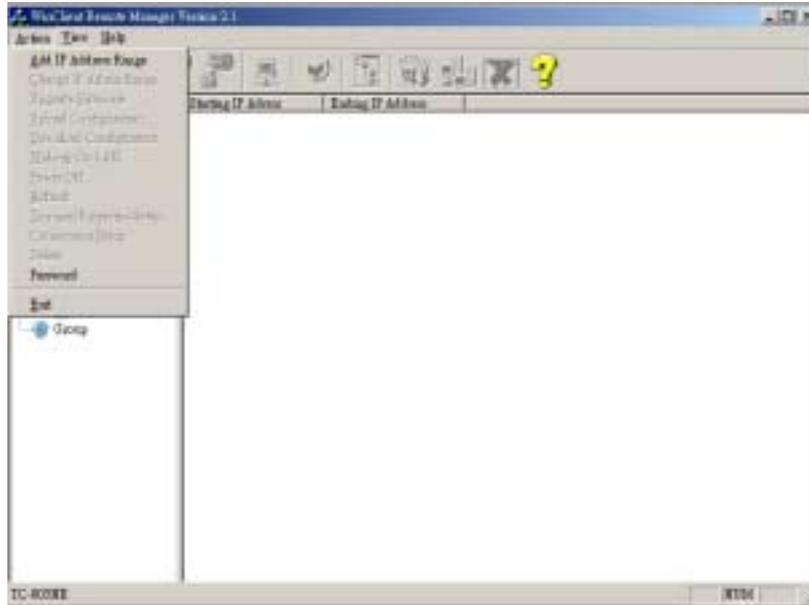
- Add a new IP address range.
- Remote Upgrade WinClient's firmware.
- Upload configurations from WinClient.
- Download configurations to WinClients.
- Remotely Power on/Wakup on Lan WinClients (TC-320 and TC800 series only).
- Remotely Power off WinClients (TC-320 and TC800 series only).
- Discover WinClients on the network currently.
- Remotely setup WinClient's properties.
- Remotely setup WinClient's connections.



WinClient Remote Manager

4: Discover WinClients

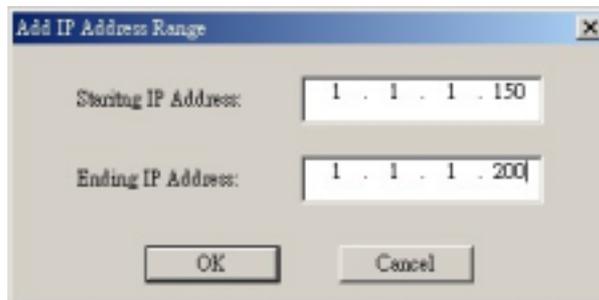
Administrator could set the managed IP range of thin clients or group the thin clients.



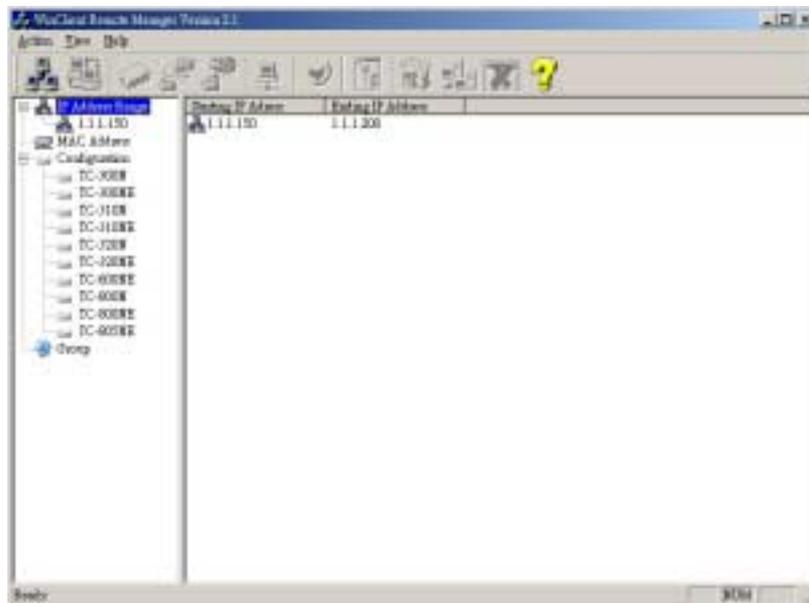
4.1: How to Add IP Address Range



Select the icon of "Add a new IP address Range".



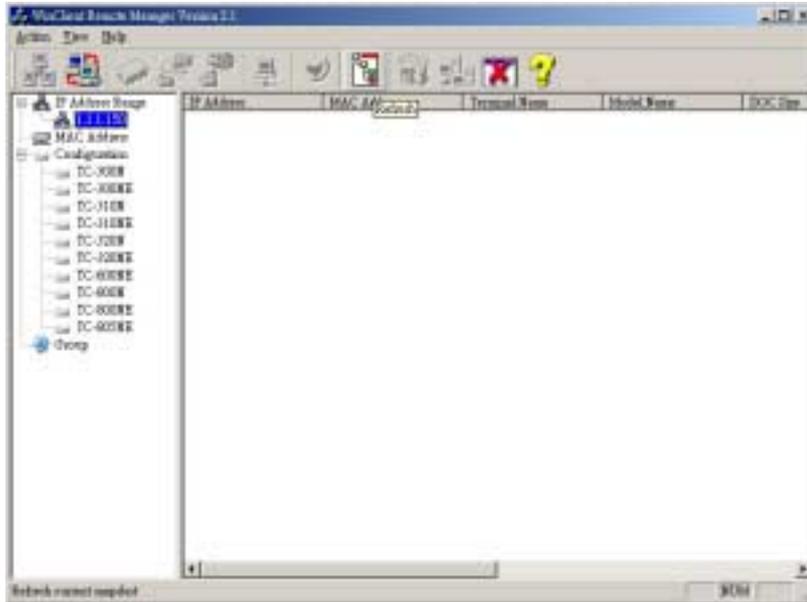
Entry starting IP address & ending IP address.



Add IP address Range

4.2: Discover WinClients on the Network

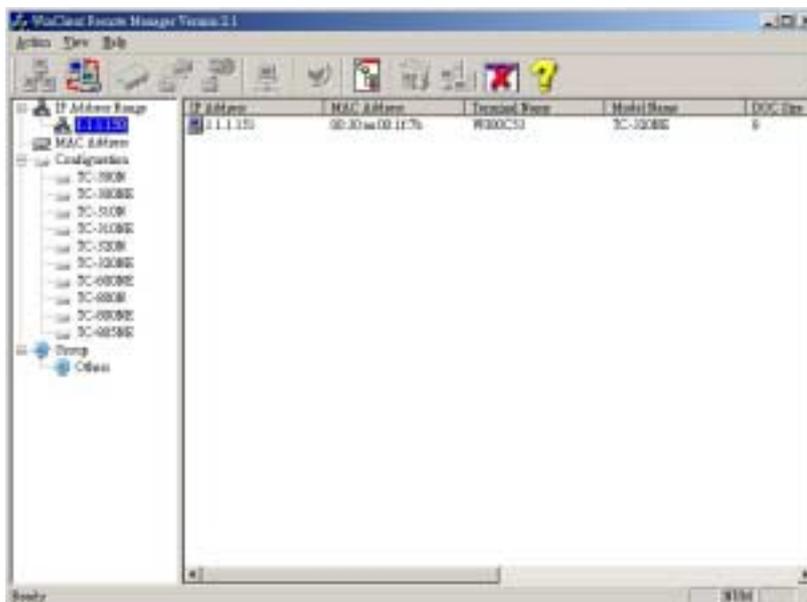
While WinClients are on the network, the refresh function could help administrator to maintain the Ethernet Address of every clients within managed IP range.



Select the icon of “Refresh Current Snapshot”.

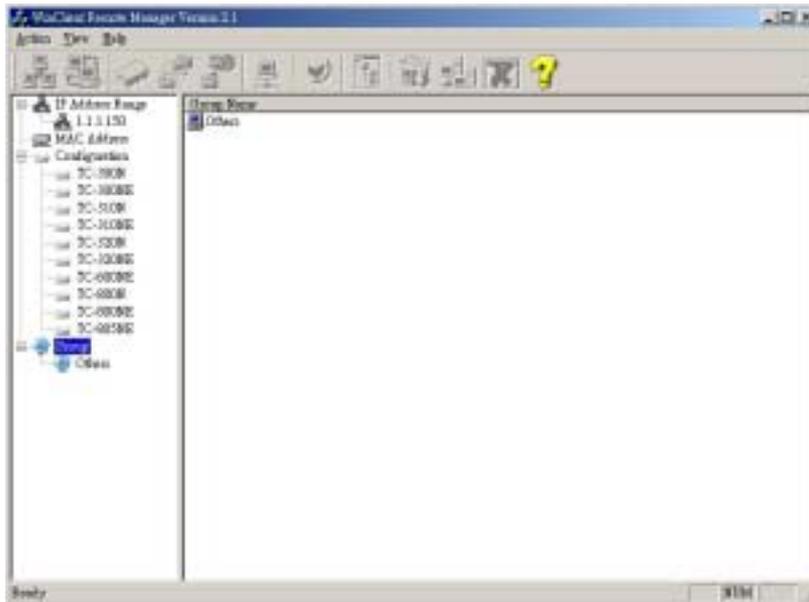


WRM start to search WinClients on that defined IP address range.

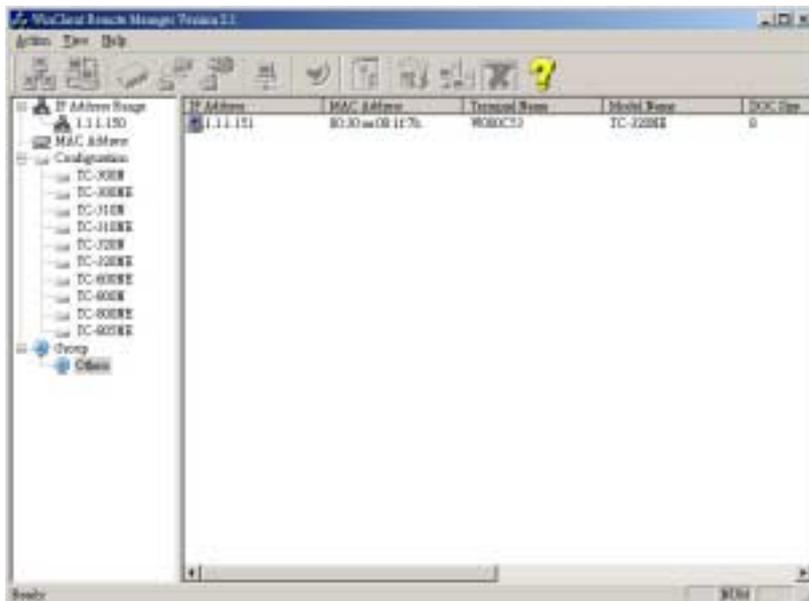


4.3: Grouping

The main function of Grouping is to divided users into group. There maybe a lot of users login to the Thin Client at the same time. However, they may not all using the same models. Thus, it will be more convenient for them if they can be divided into groups.



Click on the others icon to add your own group



Click the right button of the mouse and then select “add new group” to insert your group name

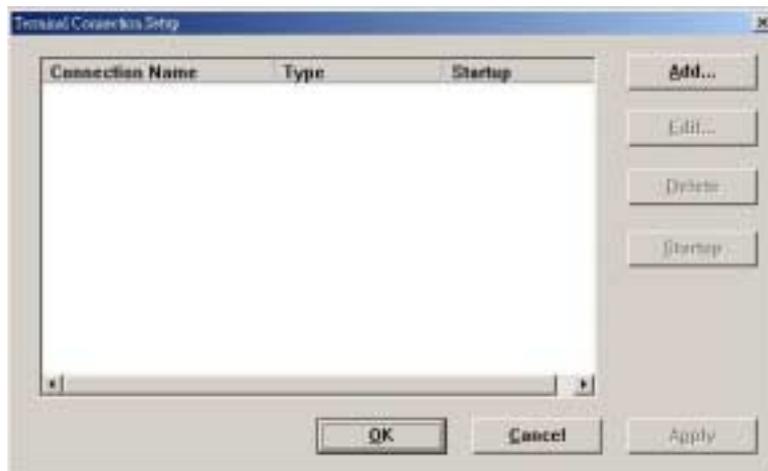
5:Shadow Configurator

Administrator can use *Shadow Configurator* to create a “sample” WinClient remotely. The sample configurations could be duplicated to other WinClients through Upload and Download Configurations and connections in WRM. There are two versions of the WinCE firmware available on the Clients, WinCE 3.0 and WinCE 4.0(WinCE .Net). The configuration for both are described in chapter 5-2 and 5-3.

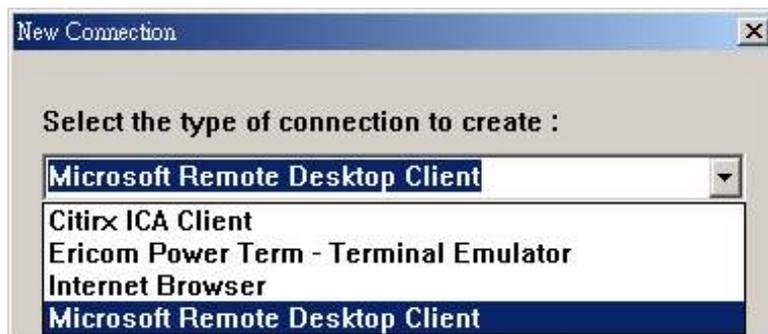
5-1: Remotely Add / Edit / Delete Connections

- Discover Winclients on the network.
- Select a WinClient which you have searched before
- Select the icon of “*connections setup* “ to Add/Edit/Delete connections for the selected WinClient.
- The GUI of Shadow configurator is very similar to that of local WinClient. They are shown as follows.

Add Connections for the selected WinClient



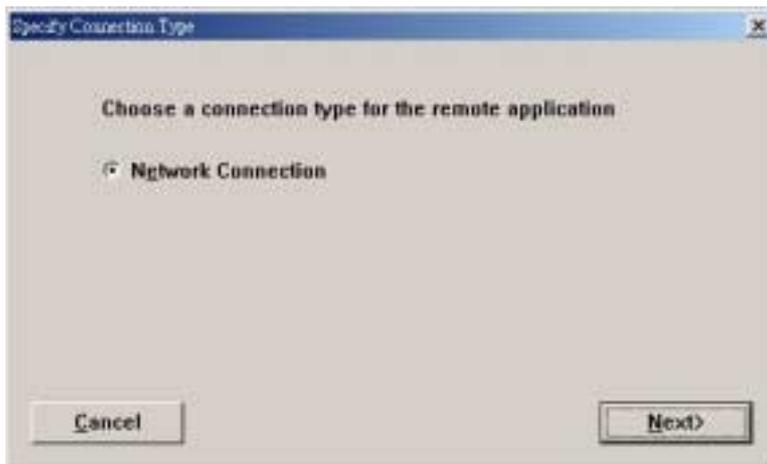
Shadow Terminal Connection Manager



Select the type of connection form the list



ICA Connection selected



Choose a connection type for the remote application

WRM can't browse the Citrix server automatically. You have to key-in the name/IP of Citrix server on dialog box.



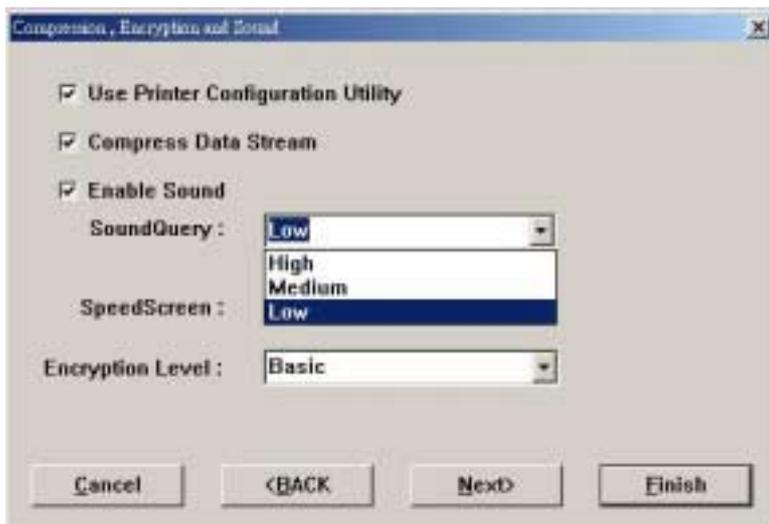
Add ICA connection



Specify the command line and working directory



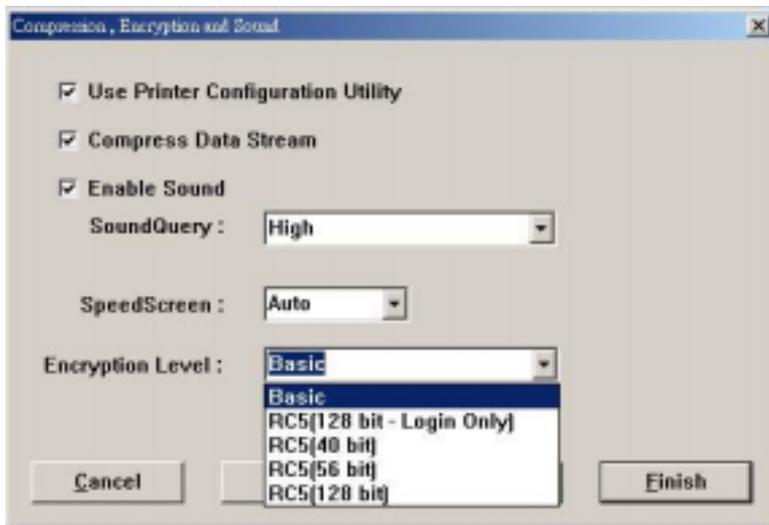
Specify the application window



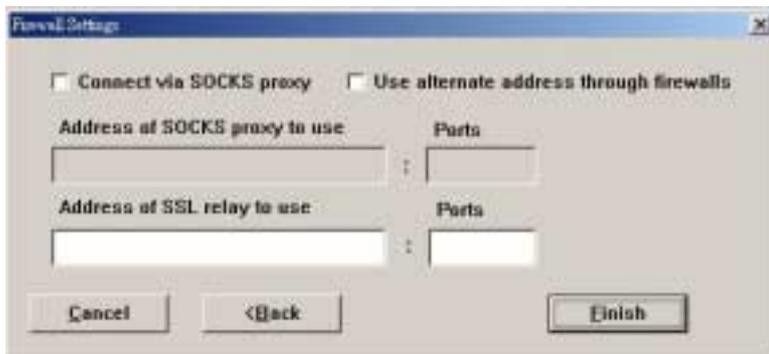
Set your SoundQuery



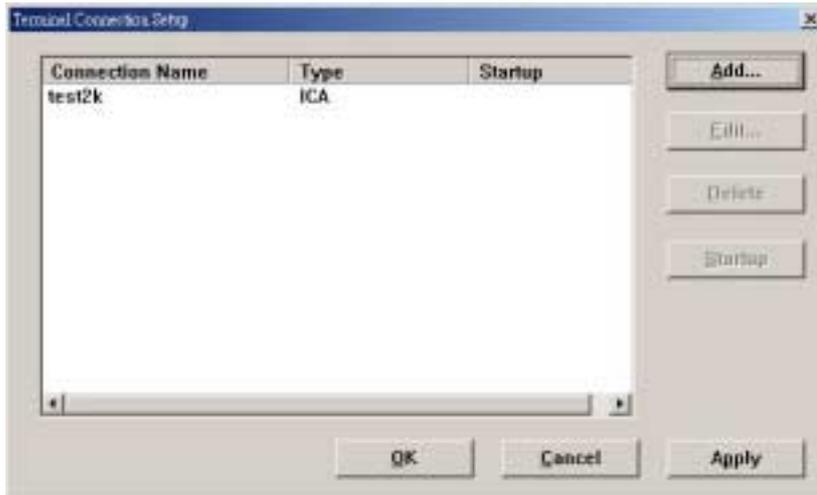
Set your SpeedScreen



Set your Encryption Level

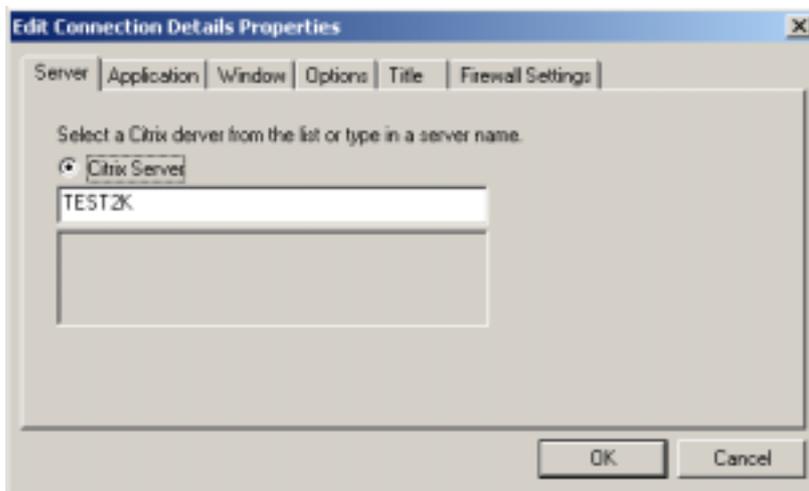


FireWall Settings

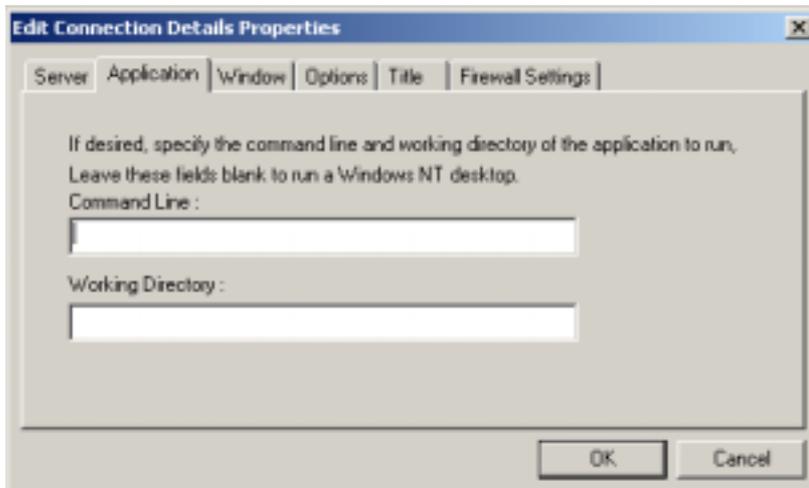


ICA setup completed

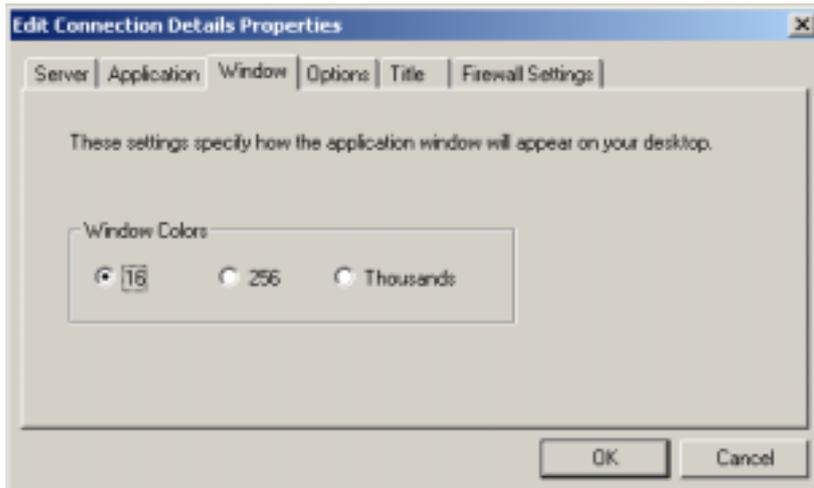
Edit Connections for the selected WinClient



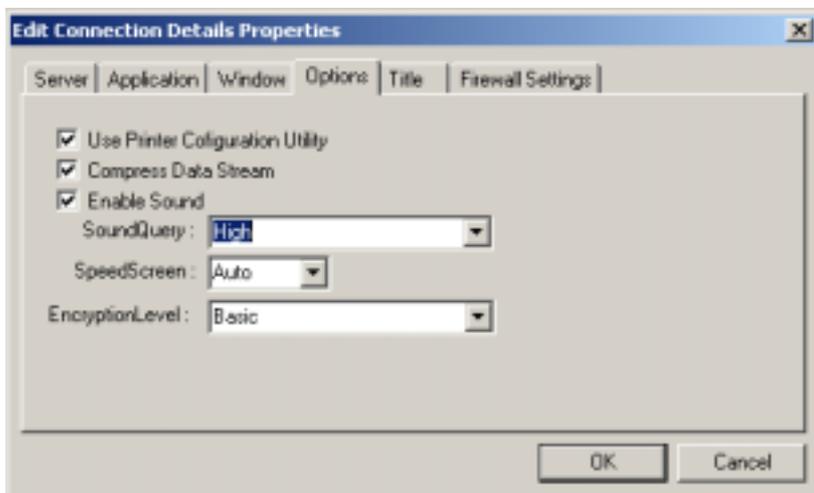
Select a server that has been created



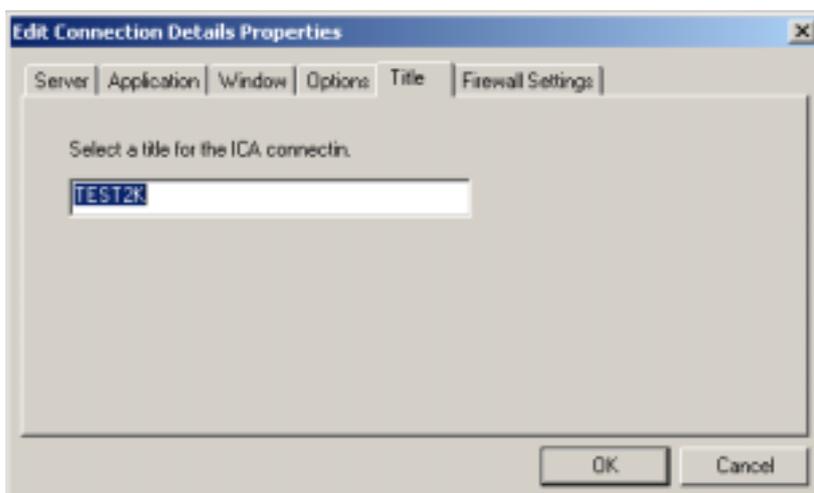
Specify the Application details



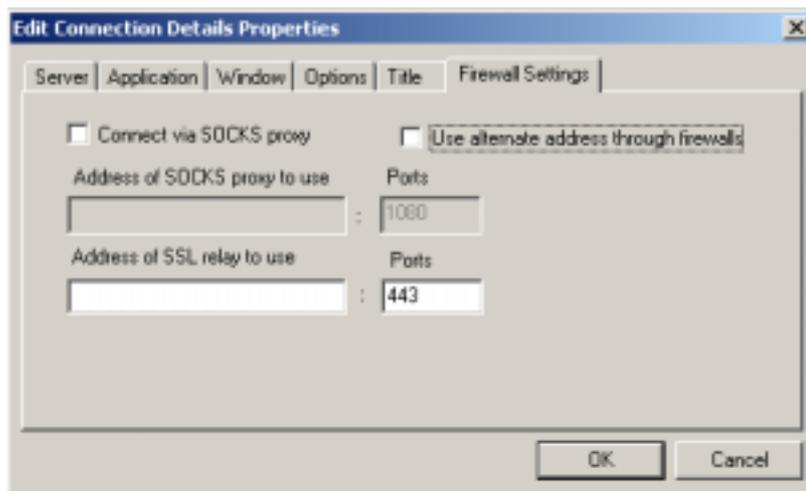
Select the window Colors



Configure the Window options



Select the Title for the connection



Select the Firewall Settings

Startup Connections for the selected WinClient

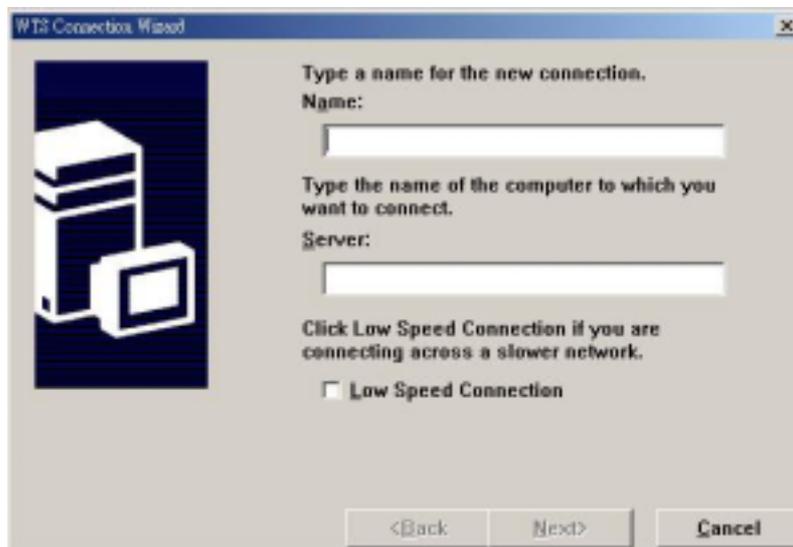


Choose one of the options for the connection you have created

RDP Connection



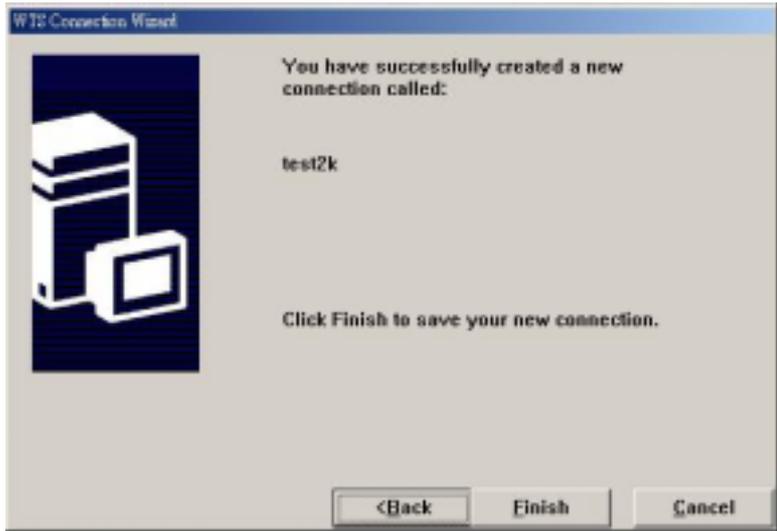
RDP Connection selected



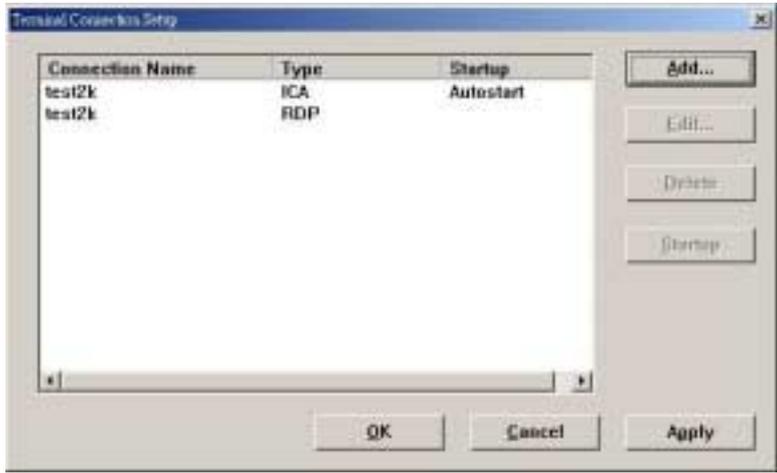
Add RDP connection



To start an Application

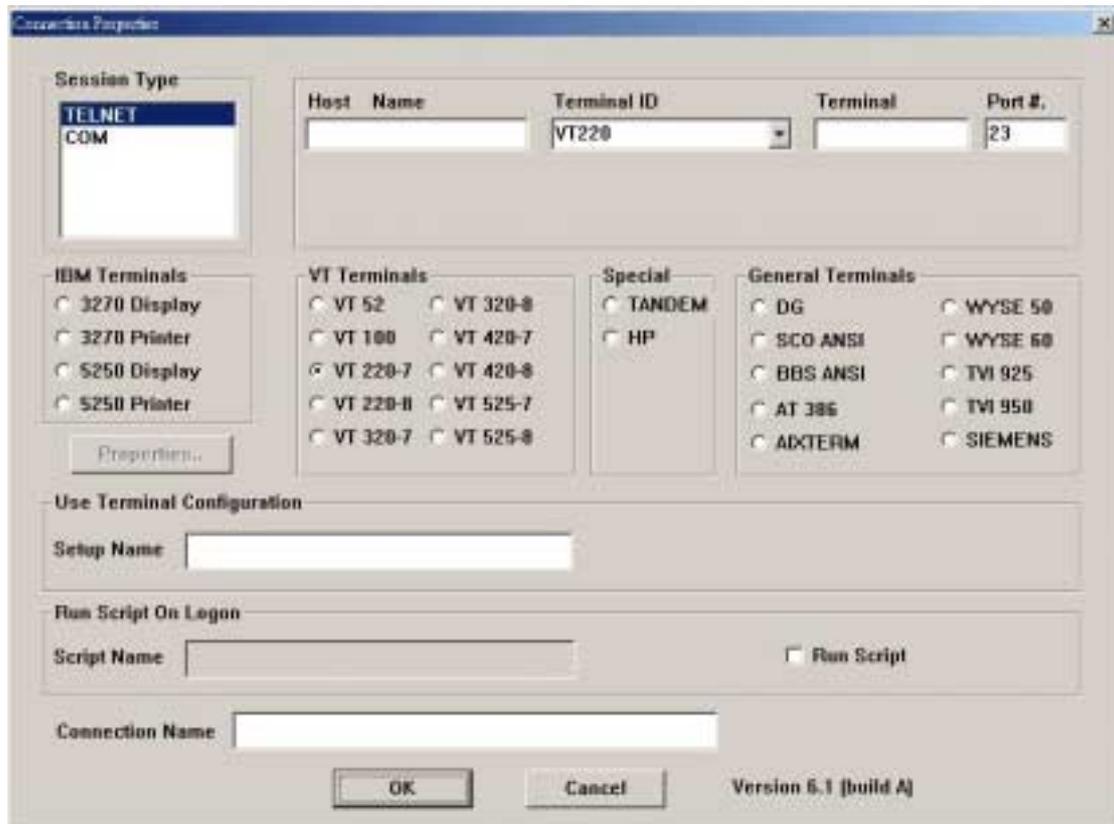
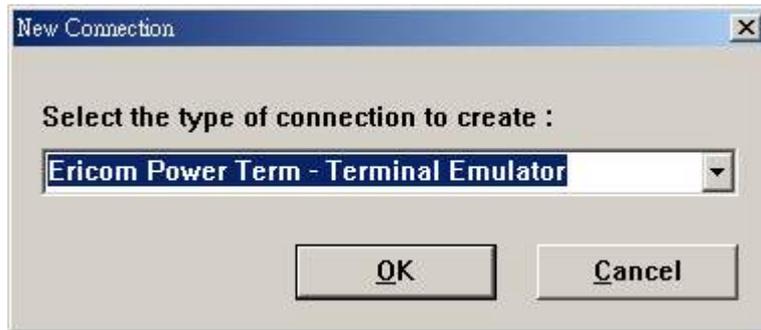


RDP connection created

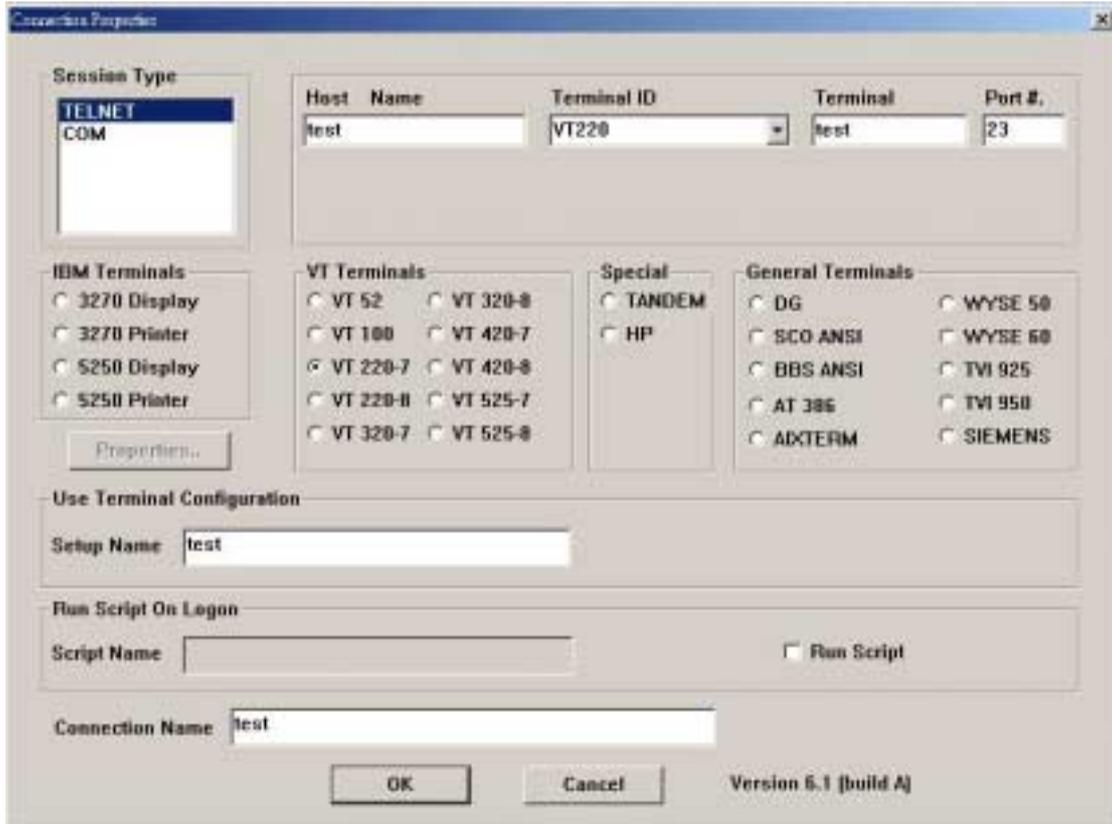


Editing the RDP connection

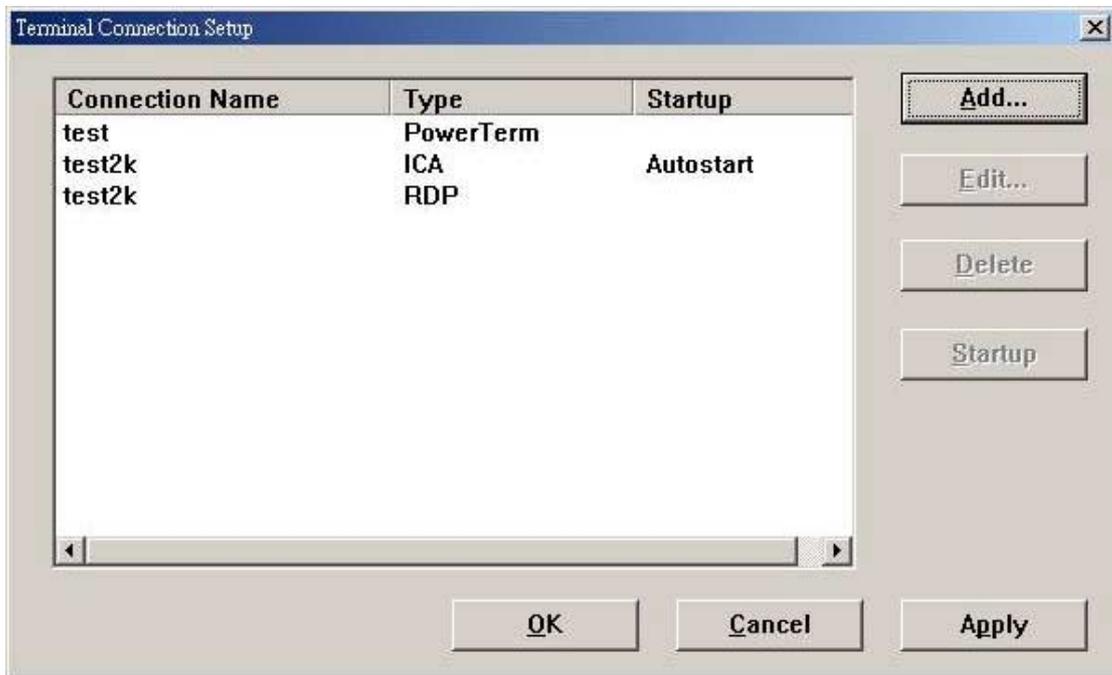
Terminal Emulator Connection



Add Emulator connection

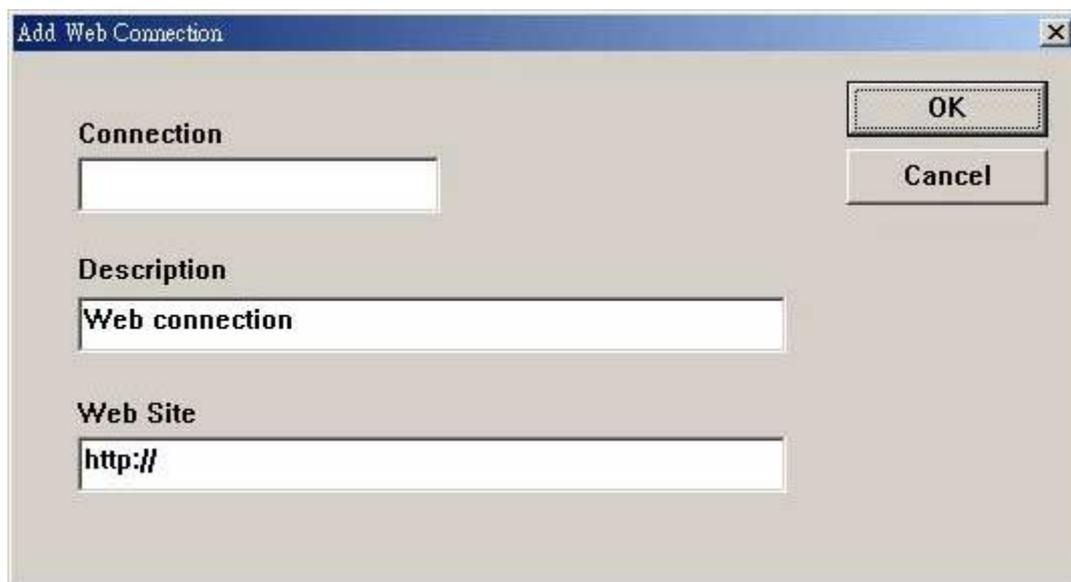


Insert the Host Name, Terminal ID, Terminal and the Port #

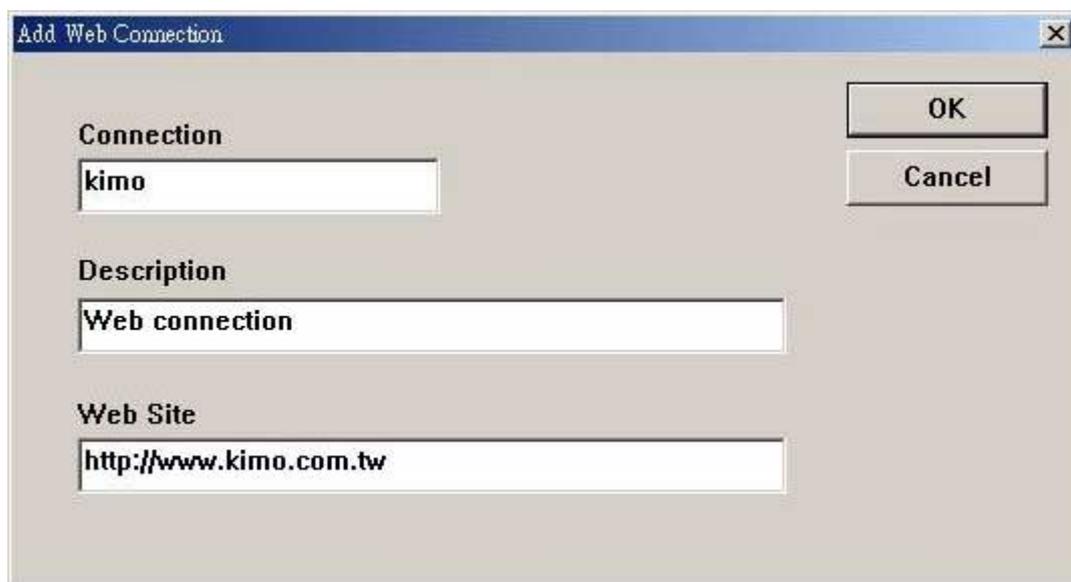


Terminal Emulator Connection Created

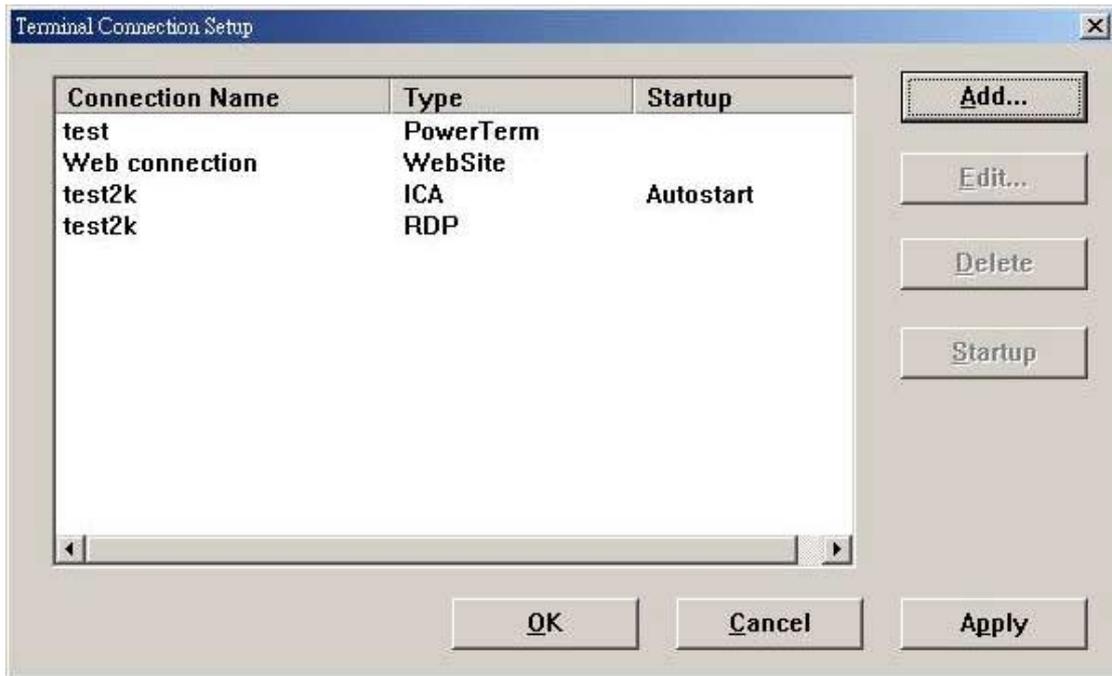
Internet Browser Connection



Add Internet browser connection



Insert the description for your Internet Browser Connection



Internet Browser Connection Created

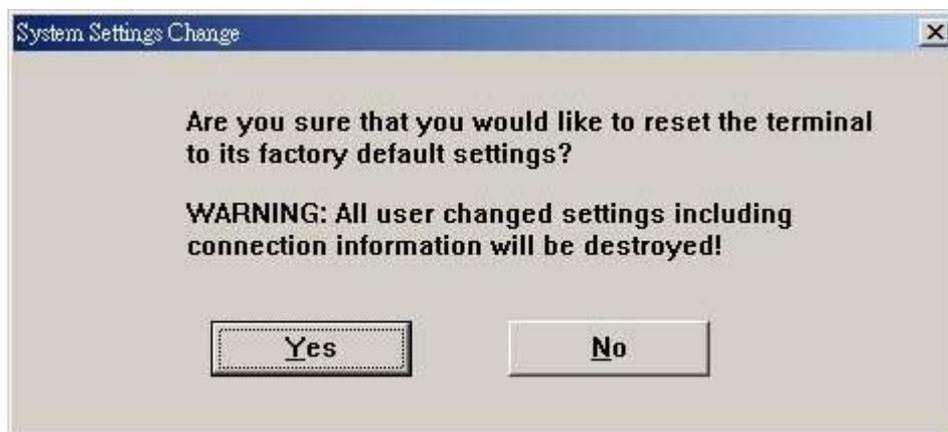
After the connections has been add/edit completely, press “OK” button to save connections into WinClient. ***Winclient will reboot when connections are saved.***

5-2: Remotely Configure Terminal Properties for WinCE 3.0

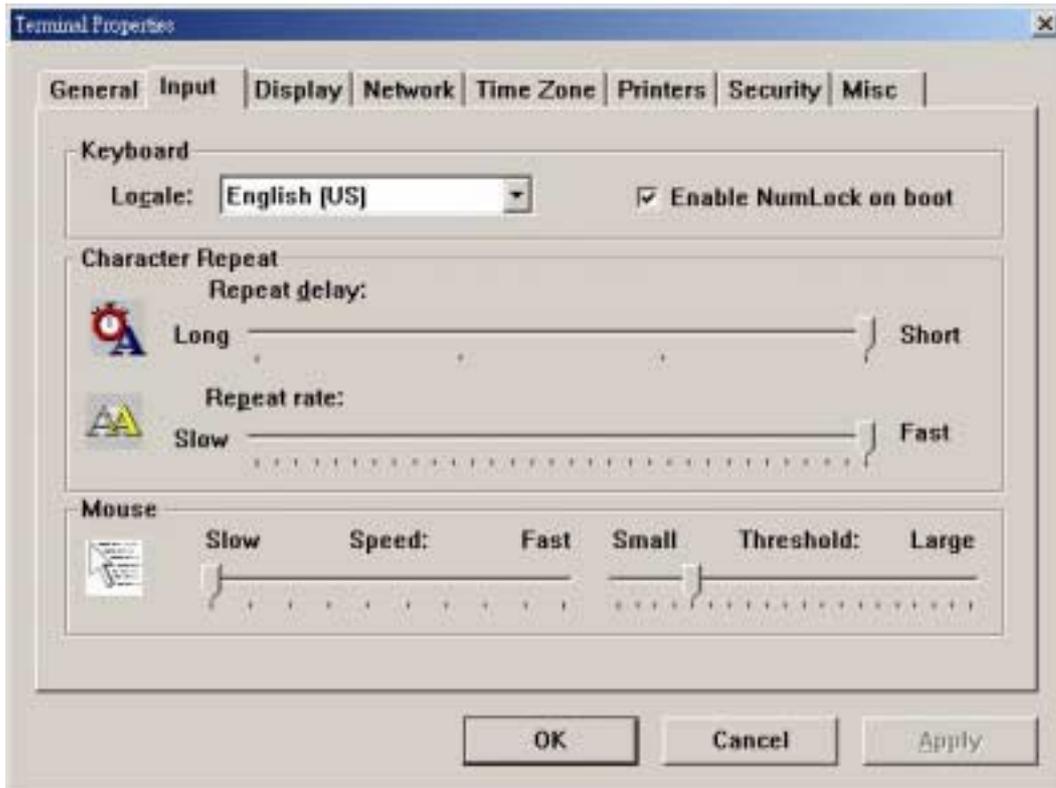
- Discover Winclients on the network
- Select a Winclient which you have searched before
- Select the icon of “Terminal properties setup”
- Shadow Terminal Properties
- Administrator can modify the properties of WinClient on remote site.



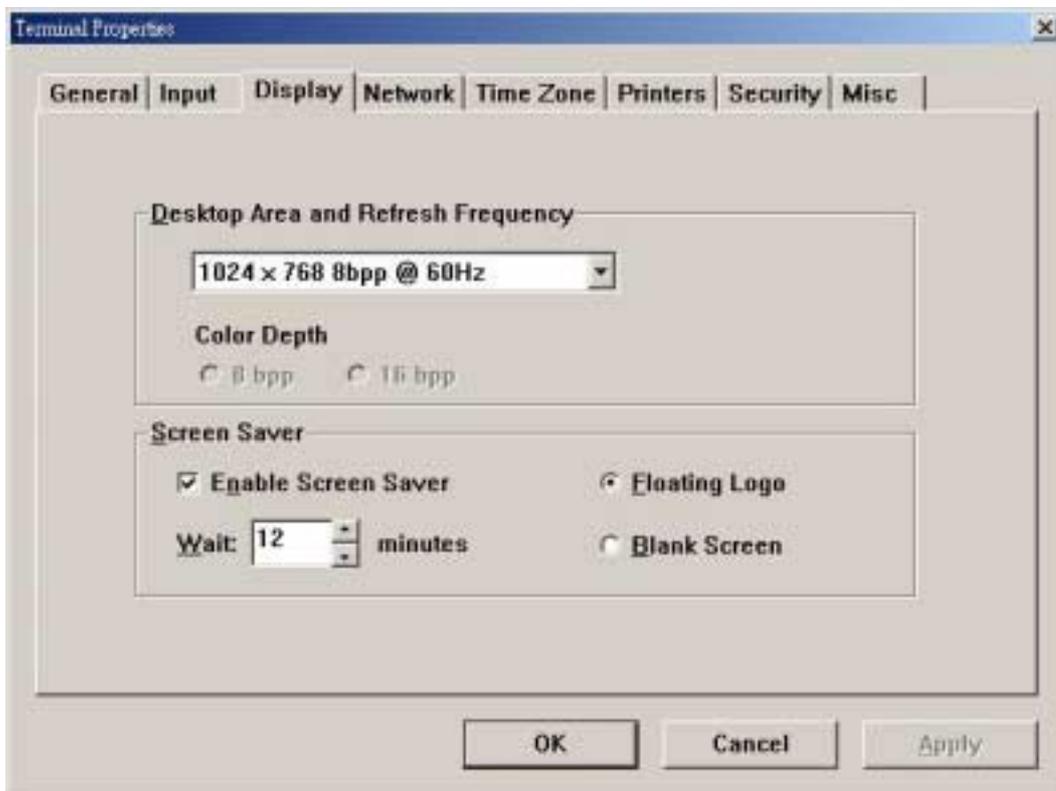
Shadow General Terminal Properties



By click on the Reset will set the terminal back to its default settings



Shadow Input Terminal Properties



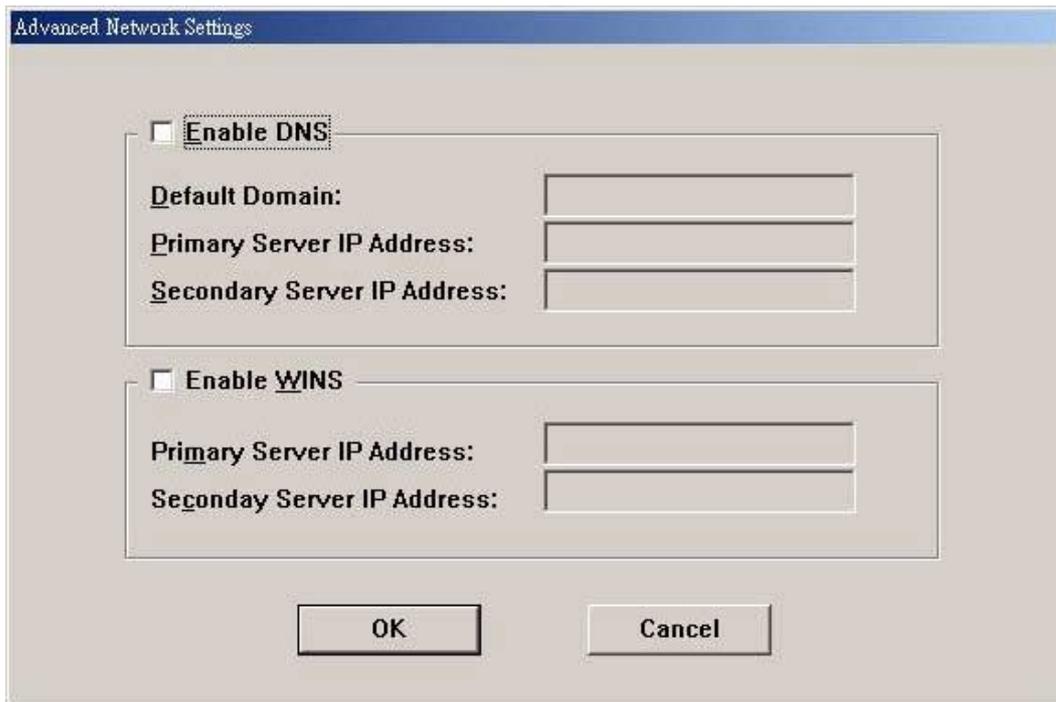
Shadow Display Terminal Properties



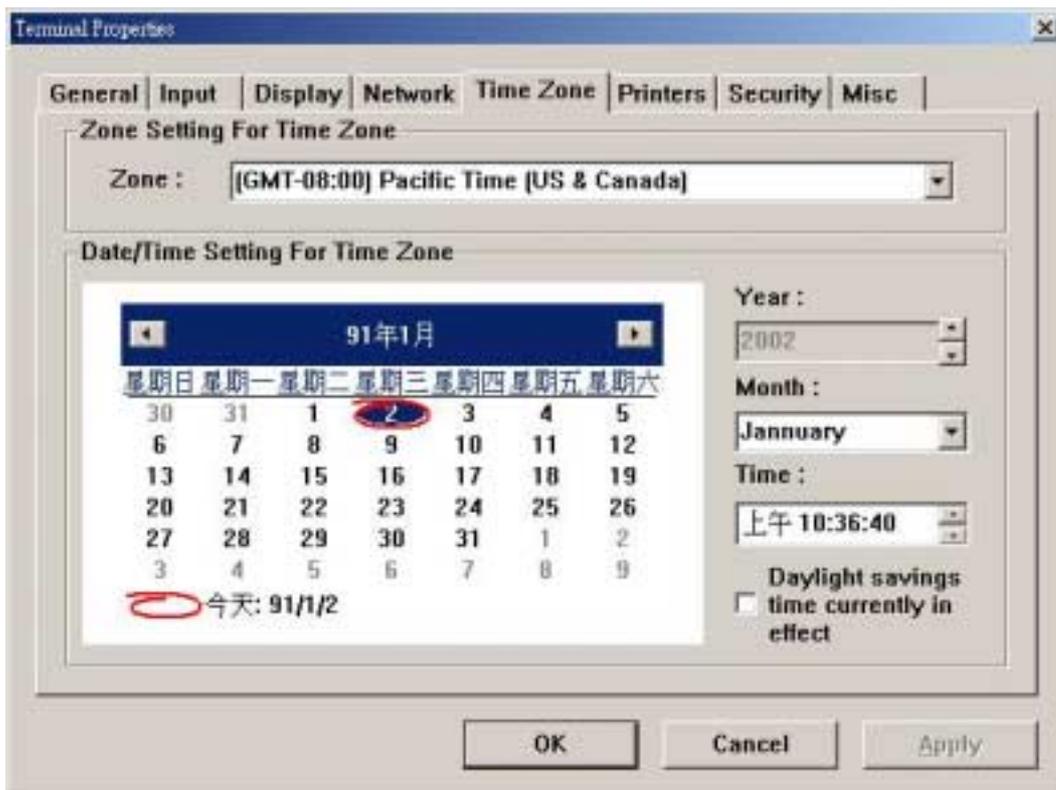
Shadow Network Terminal Properties



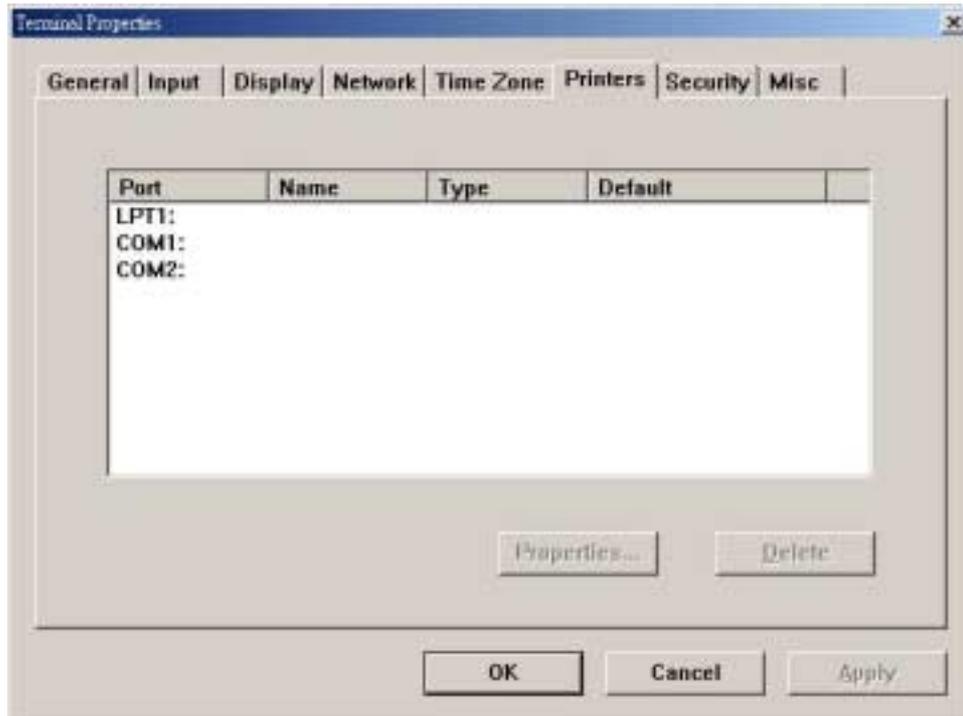
Insert your Specify IP address



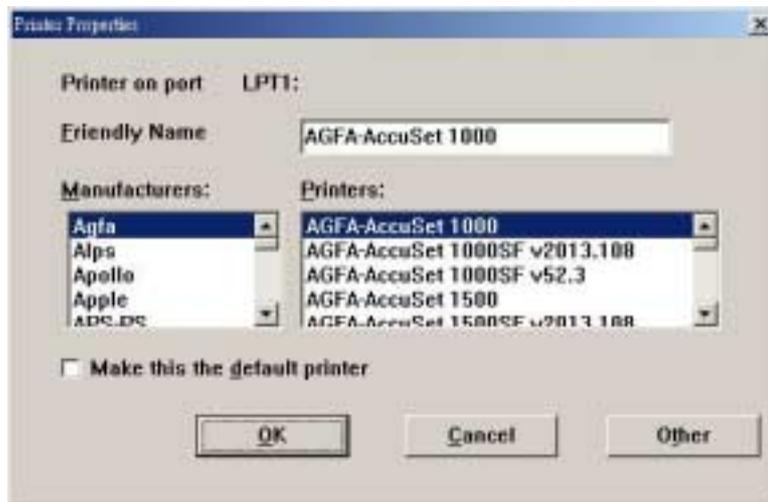
Click on the Advance Network icon to insert your advance network settings



Shadow TimeZone Terminal Properties



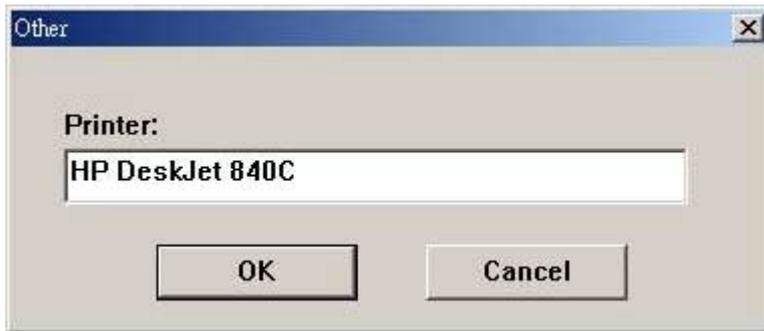
Shadow Printers Terminal Properties



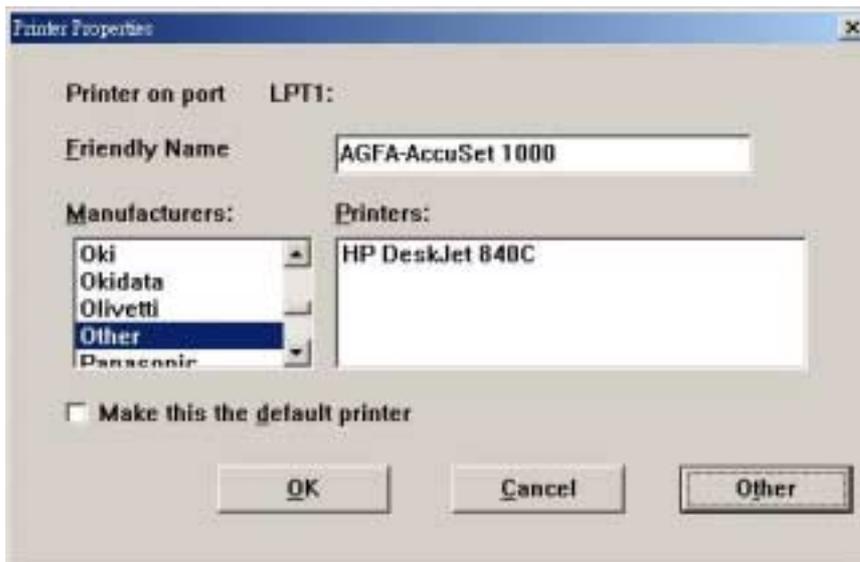
Select your printer from the list



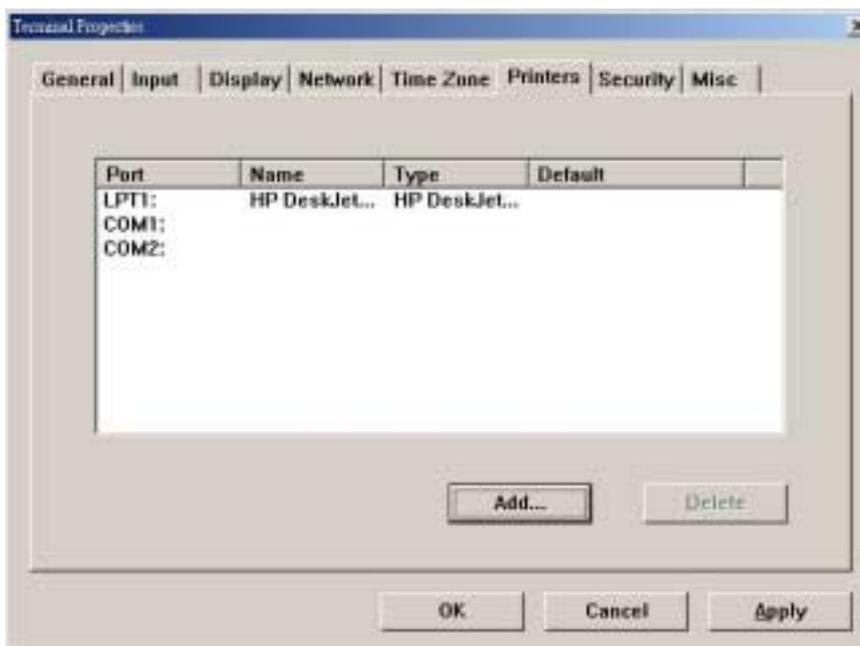
Or click on the Other icon to create your own printer



Insert your printer type



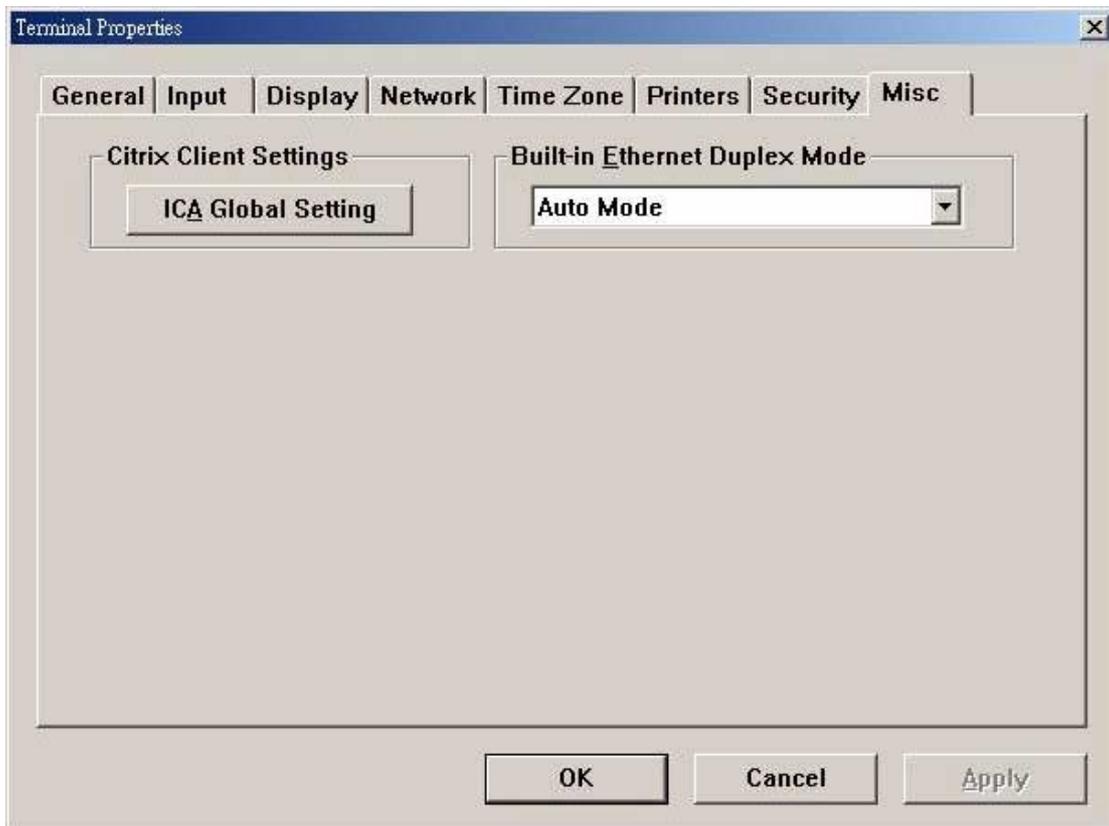
Your own printer now created in the list



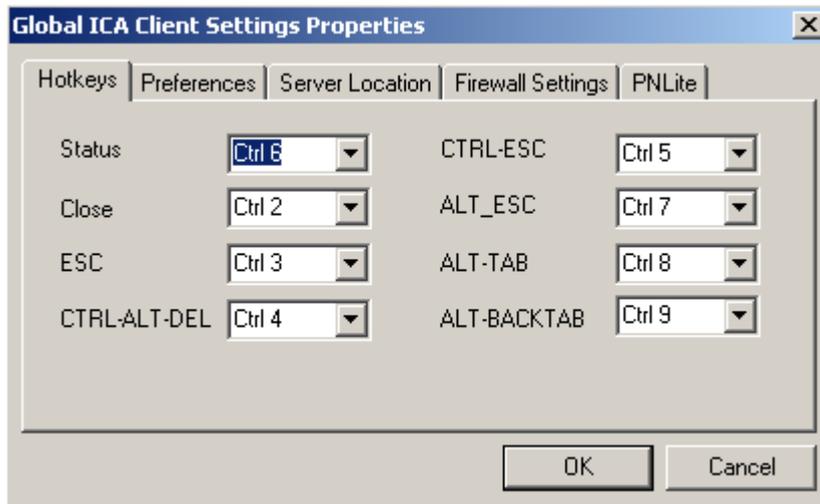
Select the created printer as your default printer



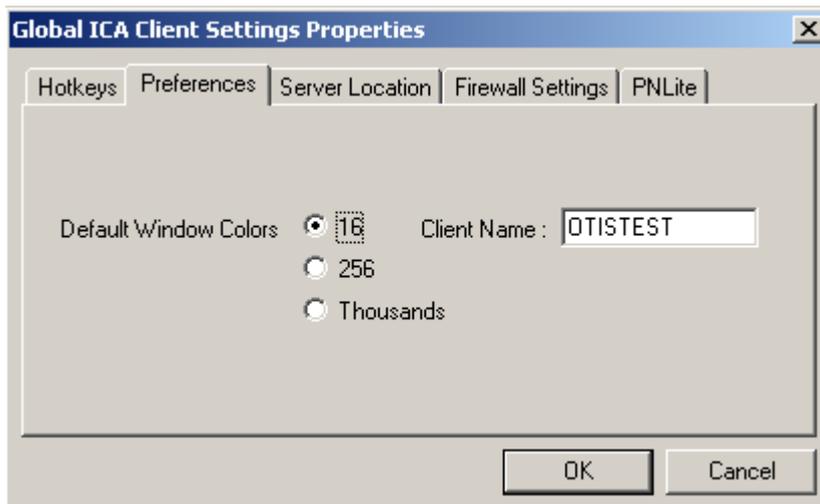
Shadow Security Terminal Properties



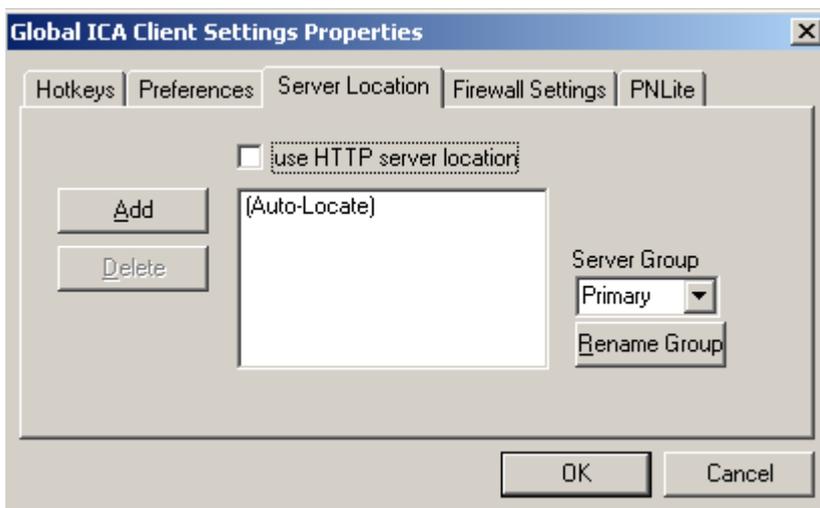
Shadow Misc Terminal Properties



Click on the ICA Global Setting icon to enter to the Client Settings, and then select your prefer Hotkeys



Select your Preferences for the Default Window



Insert your Server Location



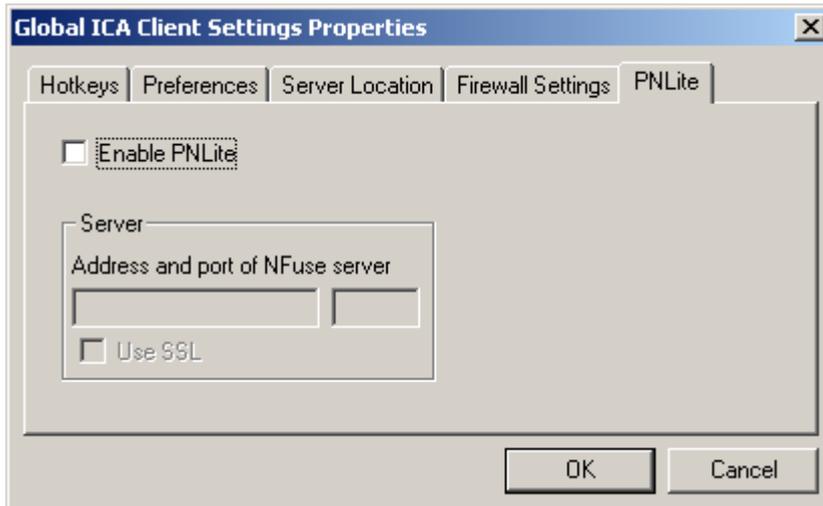
Click on the Add icon to add a new Server Address



Click on the Rename icon to rename the Server Group



Select your FireWall Settings



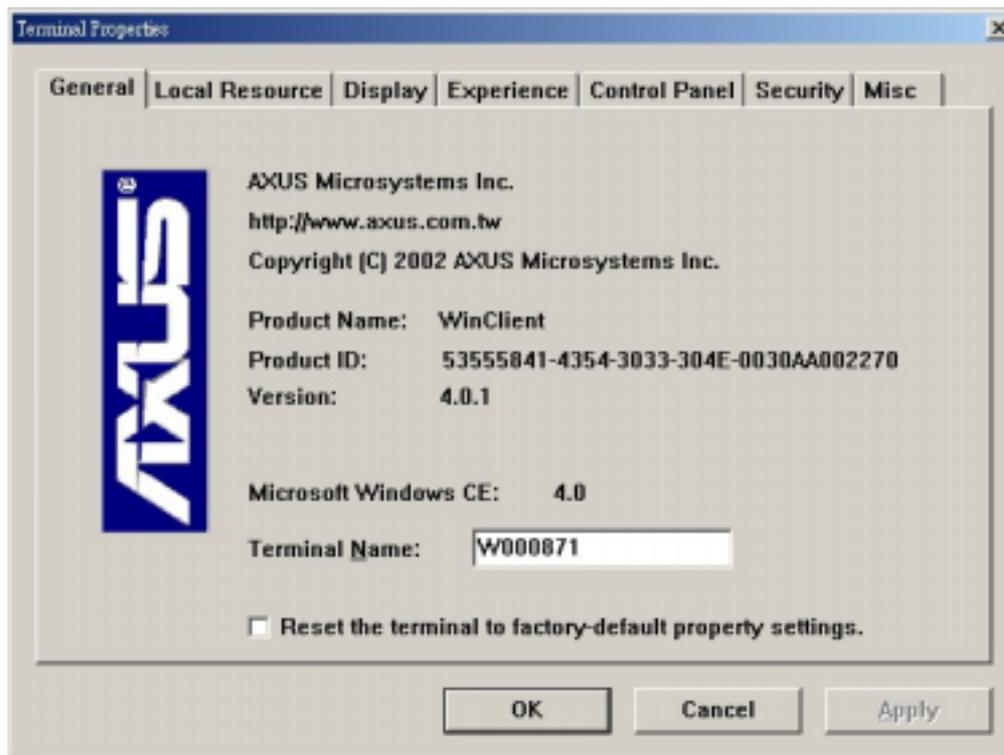
Insert your PNLite

After Terminal Properties has been modified completely, press the "OK" button to save properties into WinClient. *Winclient will reboot when properties were saved*

5-3: Remotely Configure Terminal Properties for WinCE4.0

This chapter explains how to change the Terminal Properties using the Terminal Properties dialog box. Invoke the Terminal Properties dialog box by press “F2” key while Terminal Connection Manager is the most front window. Terminal Properties dialog box consists of five properties, General, Input, Display, Network, and Firmware that can be invoked by press respective buttons.

General Properties



General Properties page describes the general information of WinClient.

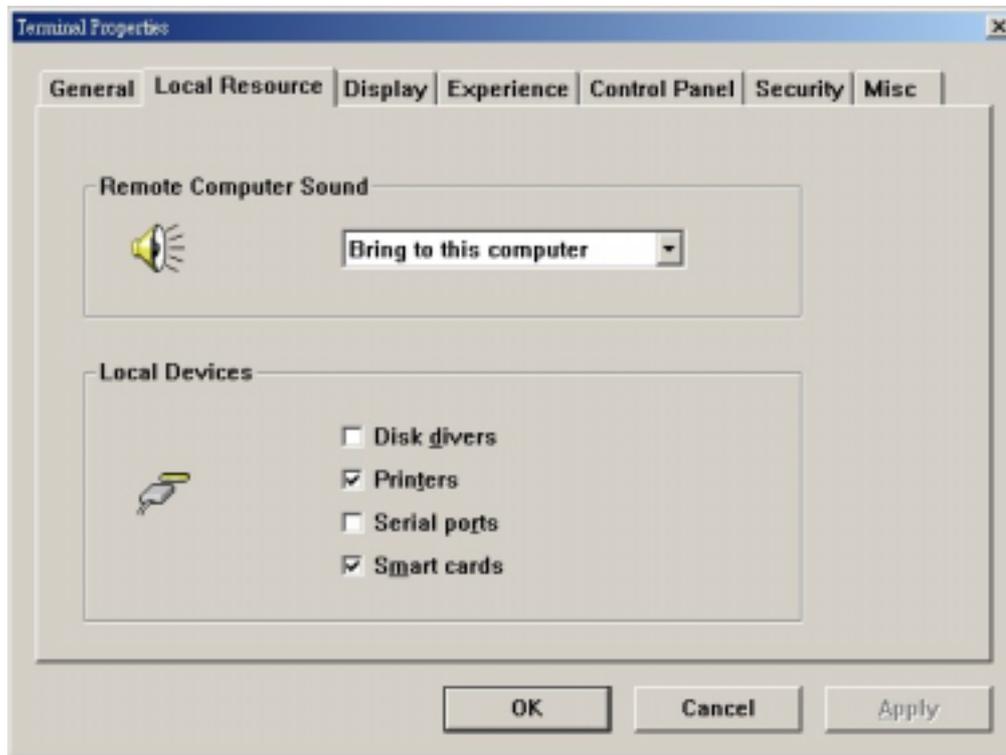
Reset the Terminal to Factory Default Settings

To reset the terminal properties to factory default settings, click the "**Reset the terminal to factory default property settings**" button to clear all the settings in on-board flash memory. When System Settings change dialog box display, click "**Yes**" button. Confirm erase all settings Click "**Reboot**" button in the Confirm Erase All Settings dialog box. All data in flash memory will be erased, including all connection configurations.



Local Resources Properties

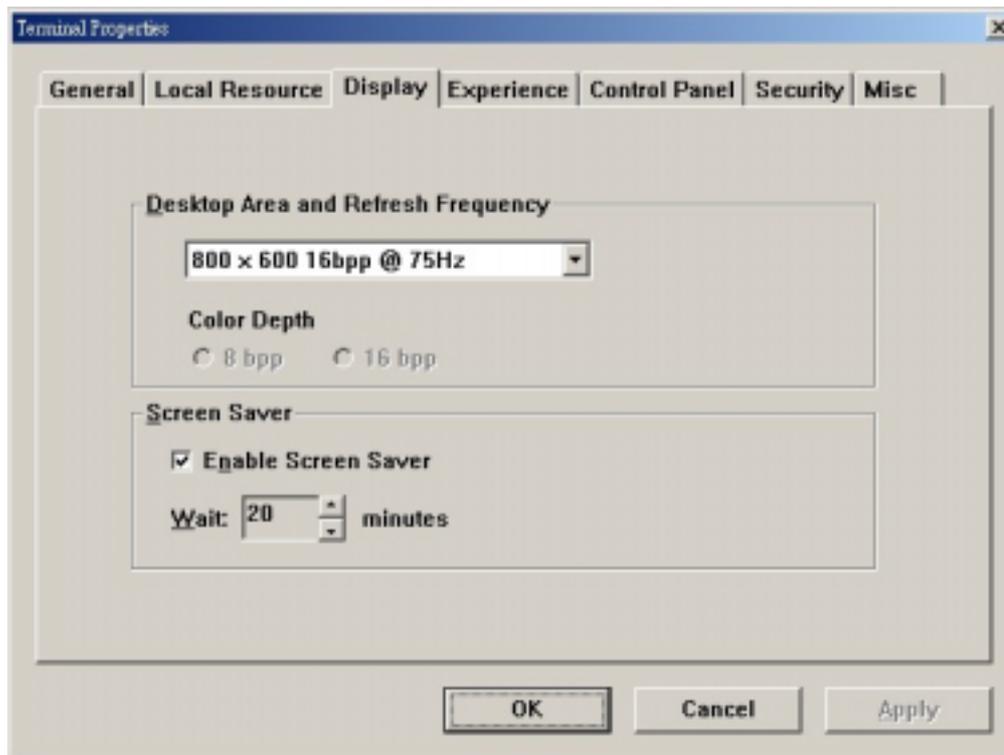
Local Resources Properties page allows you to add and configure your local devices including sound, disk drives, Printers, Serial Ports and Smart Cards on your RDP connection. .



The default are set as Printers and Smart Card. To add local devices, simply click on the items that you need.

Display Properties

Display Properties page let you configure your terminal's display. The functions of control buttons as following:



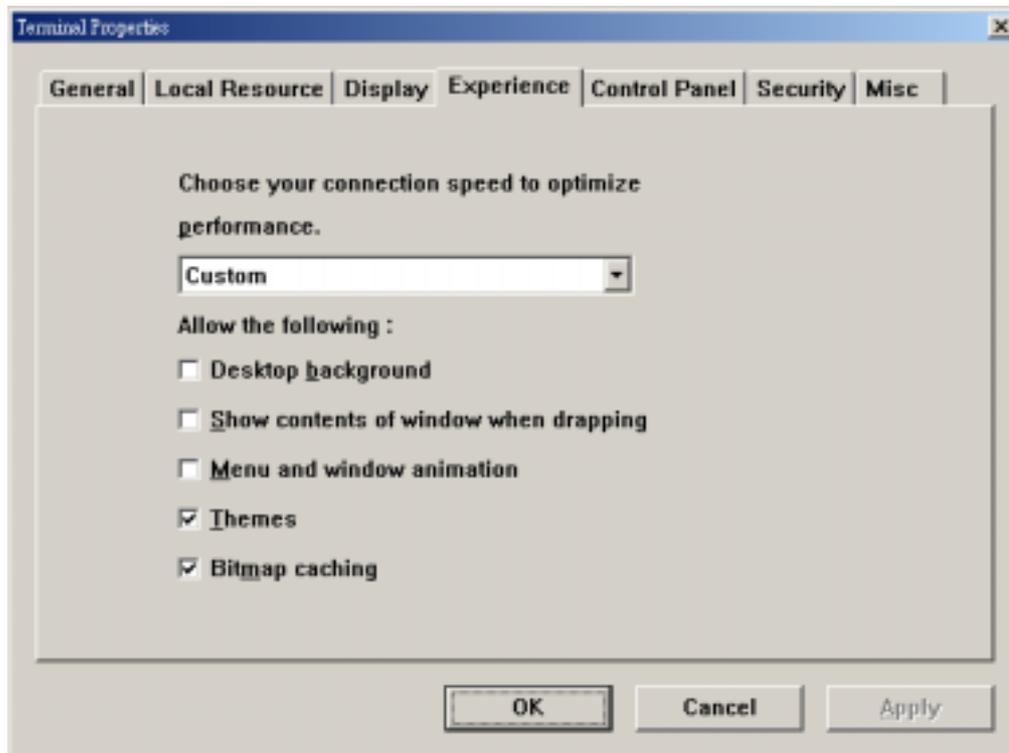
Desktop Area and Refresh Frequency: The Desktop Area Refresh Frequency scrolling list displays current Terminal's display resolution mode. You may choose other resolution from the Desktop Area and Refresh frequency scroll list.

Screen Saver: Set the Screen Saver enable or disable. When Screen Saver set enable, select the display background and adjust the amount of elapse time to start the energy saver

Click “**OK**” button to save changes and quit the Display Properties page. Click “**Cancel**” button to quit the Display Properties without save changes.

Experience Properties

Experience Properties page allows you to choose your own RDP connection in order to maximize the performance.

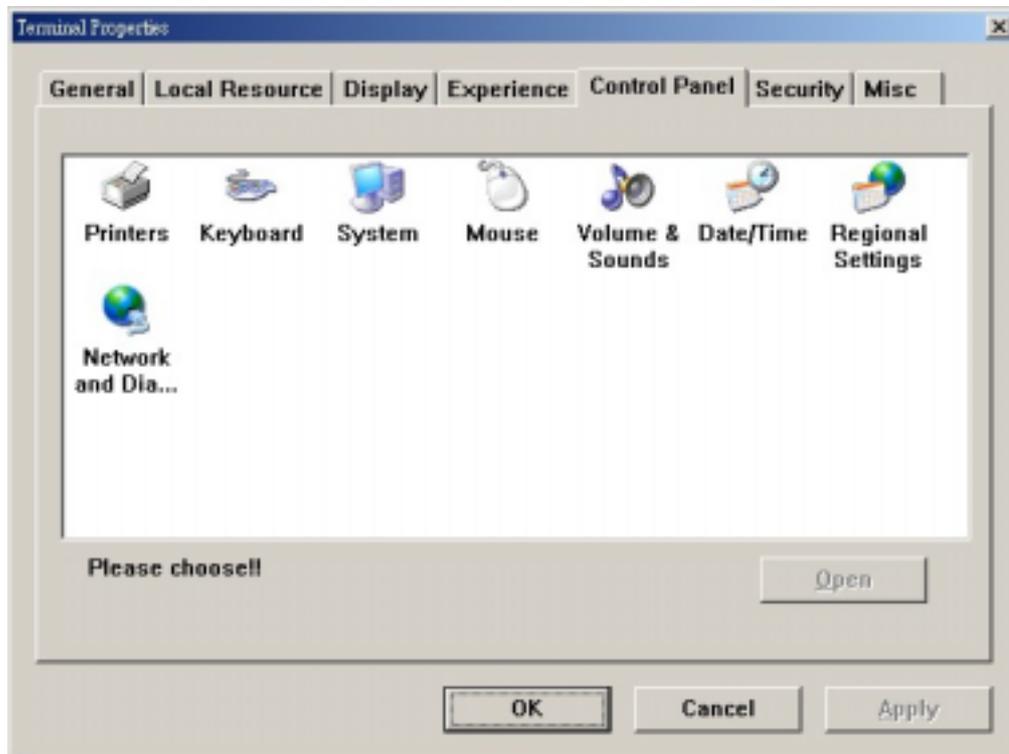


The connection allow the following functions :

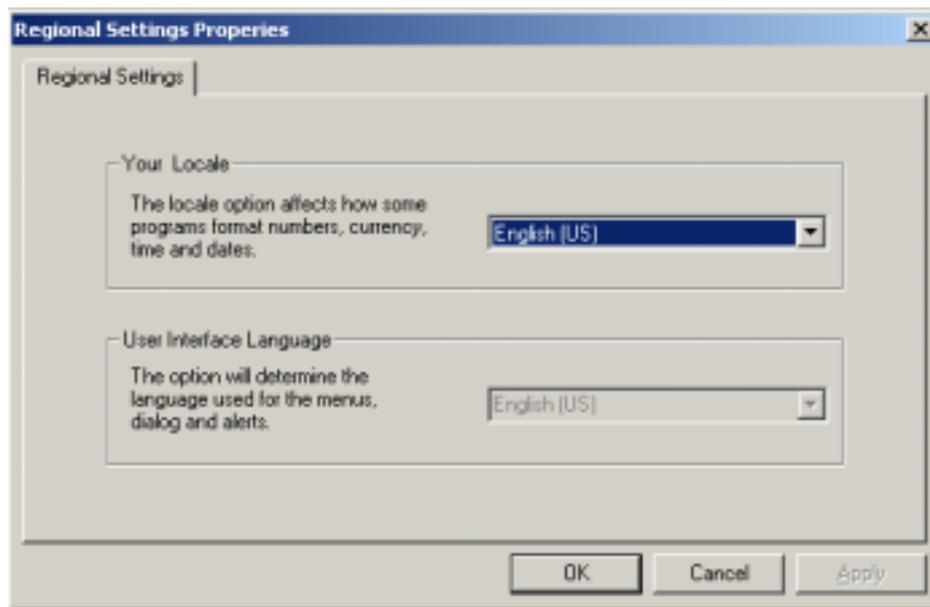
1. Desktop background
2. Show contents of window while dragging
3. Menu and window animation
4. Themes
5. Bitmap caching

Control Panel

This section is specially design for different kind of setting on your clients.



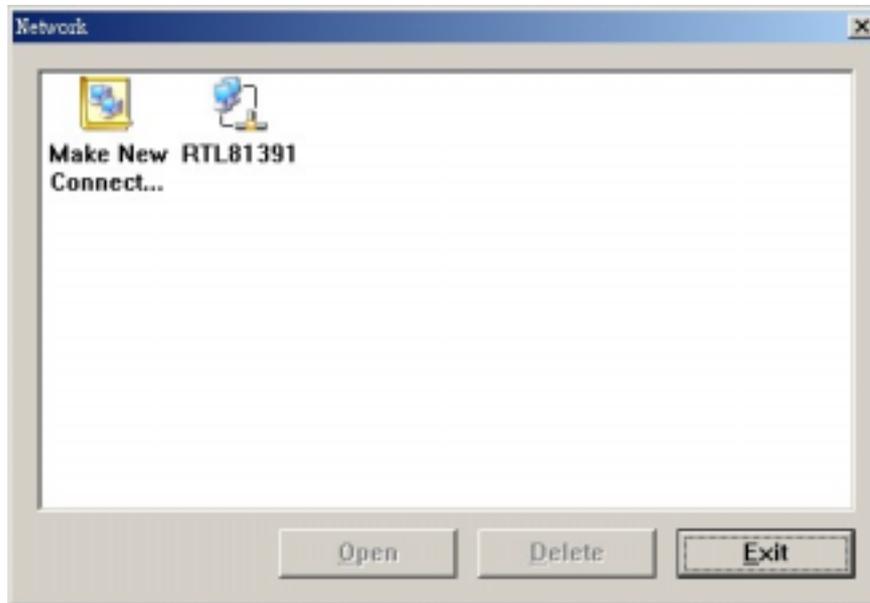
Regional Settings Properties



Regional setting properties allow you to change the locale and the user interface language for your clients. Such as how numbers, dates, currencies and times are displayed.

Network and Dial-Up Properties

This properties allows you to set up the configuration for your Network and Dial-up connections.



Make New Connection properties contain 3 different types of connections.

1. Dial-Up Connection

Dial-up connection page let you configure your Modem and dial up to a RAS Server. The communication between the system and the clients is connected through dial-up modem.

2. Direct Connection

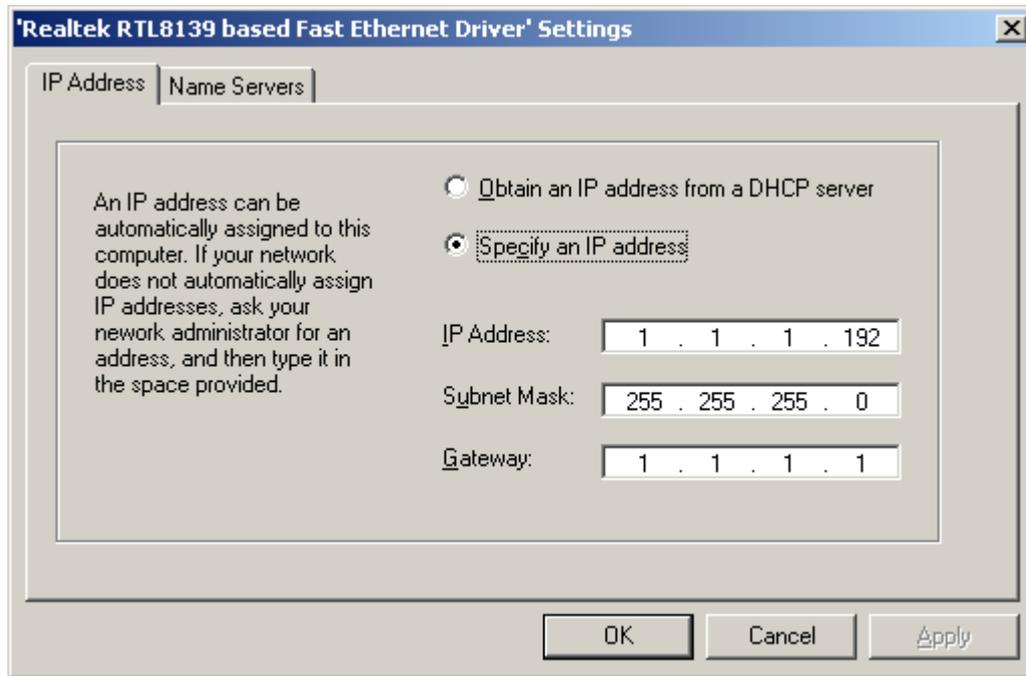
The communication between the systems and the clients is connected through a serial port via LAN connection.

3. Virtual Private Network Connection

The communication is connected through an established virtual channel between the system and the client itself in the entire network. Data will be encrypted when being transform between the two.

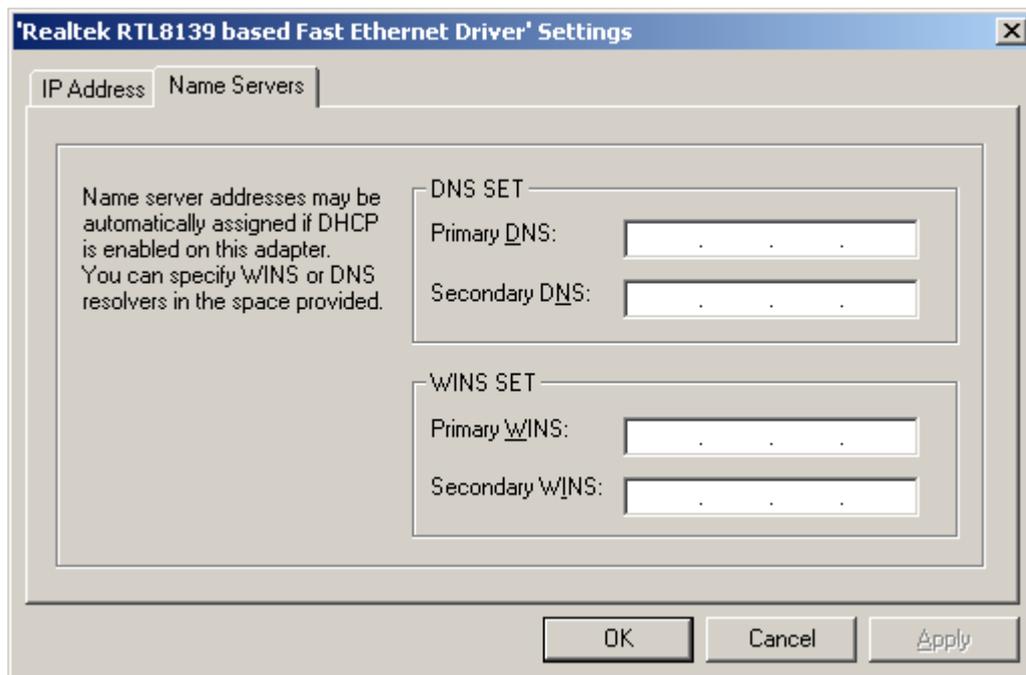
Network for RTL8139 LAN Card properties: TCP/IP Settings.

Set up your assigned IP address or use the 'DHCP' function to assign the client's IP address and configuration of your clients.



The screenshot shows the 'Realtek RTL8139 based Fast Ethernet Driver' Settings dialog box with the 'IP Address' tab selected. The dialog has two tabs: 'IP Address' and 'Name Servers'. The 'IP Address' tab contains a text box with instructions: 'An IP address can be automatically assigned to this computer. If your network does not automatically assign IP addresses, ask your network administrator for an address, and then type it in the space provided.' To the right of this text are two radio buttons: 'Obtain an IP address from a DHCP server' (unselected) and 'Specify an IP address' (selected). Below the radio buttons are three input fields: 'IP Address' with the value '1 . 1 . 1 . 192', 'Subnet Mask' with the value '255 . 255 . 255 . 0', and 'Gateway' with the value '1 . 1 . 1 . 1'. At the bottom of the dialog are three buttons: 'OK', 'Cancel', and 'Apply'.

IP Address Settings:

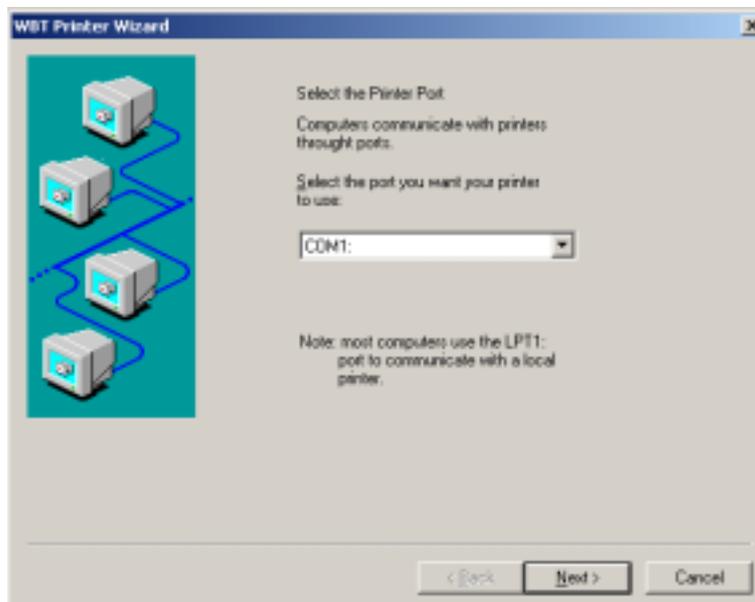
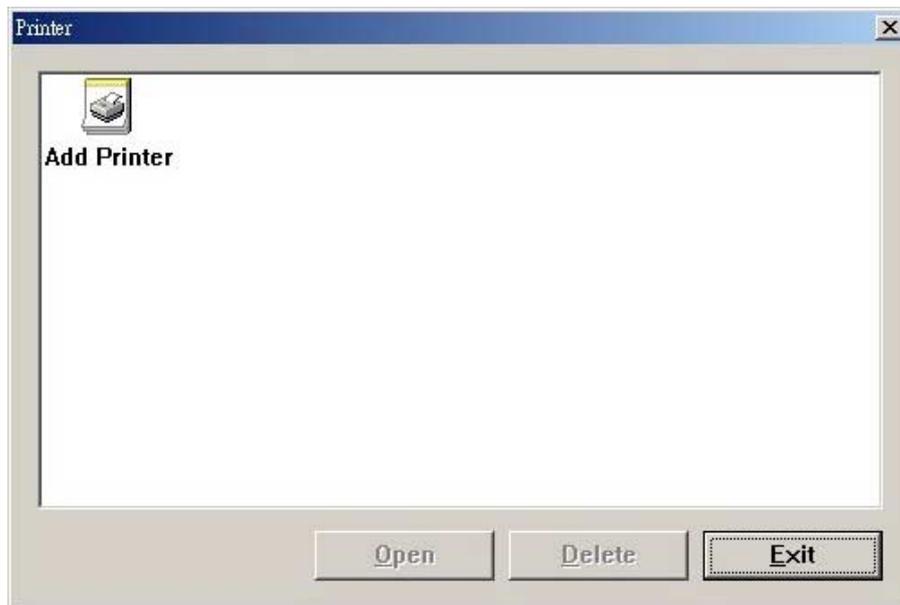


The screenshot shows the 'Realtek RTL8139 based Fast Ethernet Driver' Settings dialog box with the 'Name Servers' tab selected. The dialog has two tabs: 'IP Address' and 'Name Servers'. The 'Name Servers' tab contains a text box with instructions: 'Name server addresses may be automatically assigned if DHCP is enabled on this adapter. You can specify WINS or DNS resolvers in the space provided.' To the right of this text are two sections: 'DNS SET' and 'WINS SET'. The 'DNS SET' section has two input fields: 'Primary DNS' and 'Secondary DNS', both containing three dots. The 'WINS SET' section has two input fields: 'Primary WINS' and 'Secondary WINS', both containing three dots. At the bottom of the dialog are three buttons: 'OK', 'Cancel', and 'Apply'.

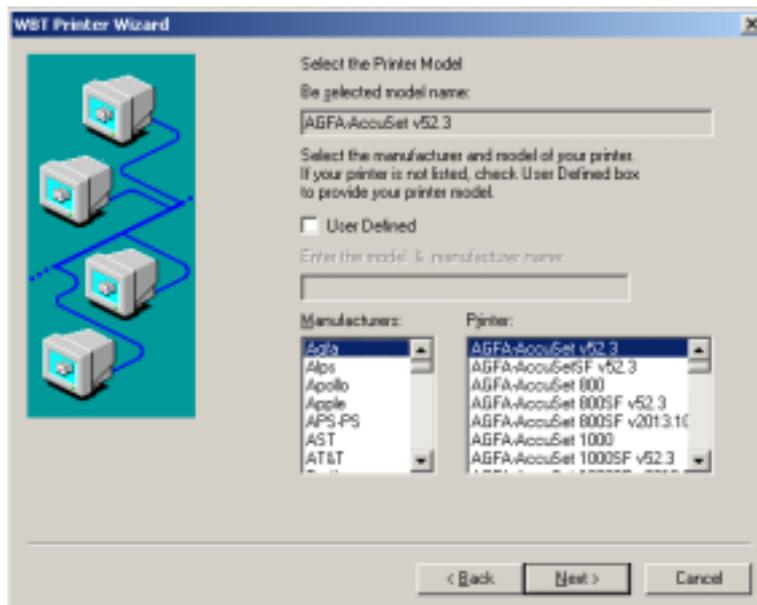
Name Server Settings

Printers Properties

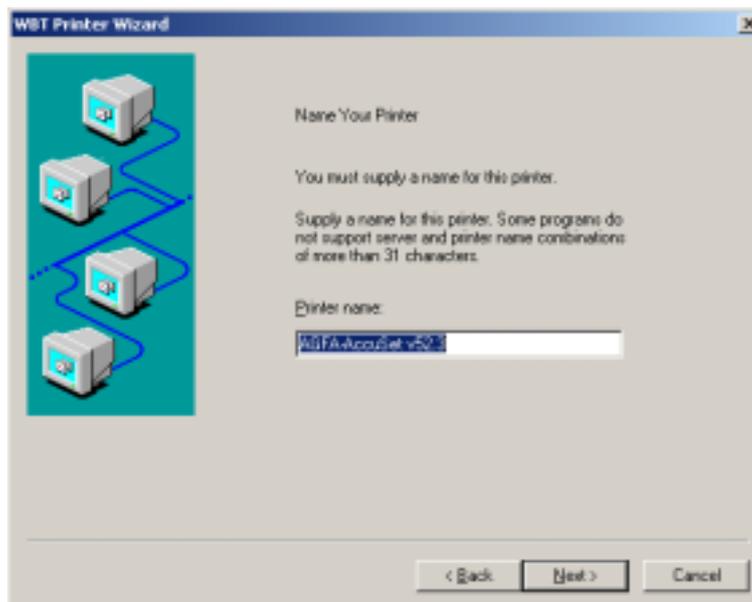
Printer Properties support the local printer installation and network printer mapping. Choose the local printer port and then press add icon will enable users to choose all kind of printer driver.



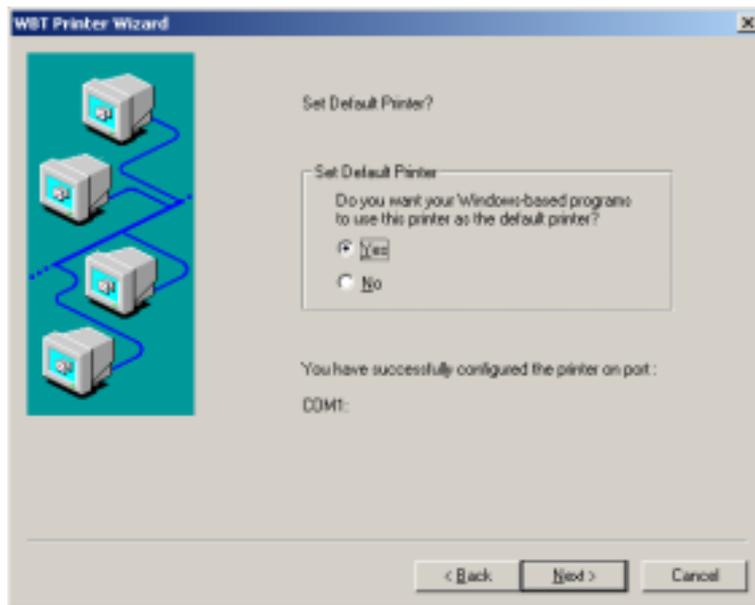
Select the printer port that you wish your printer to use.



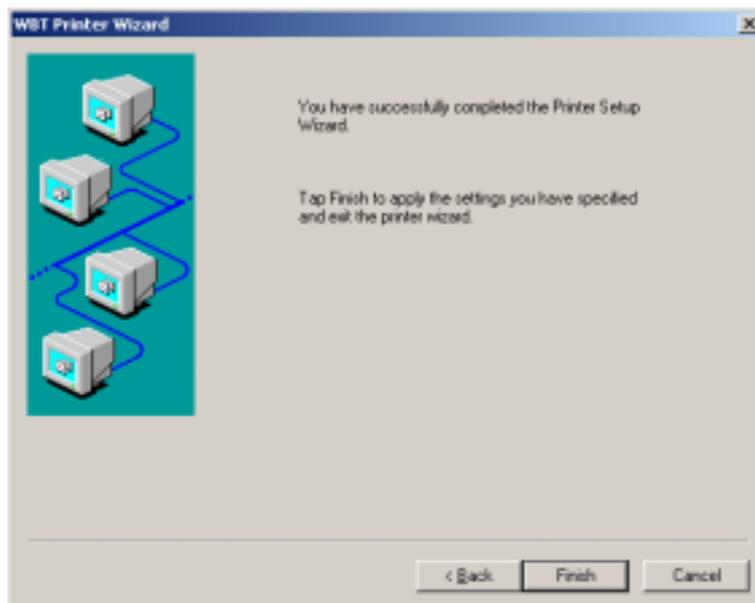
If you are unable to locate a printer type from the list provided, check the 'User Defined' item to make a printer type of your own.



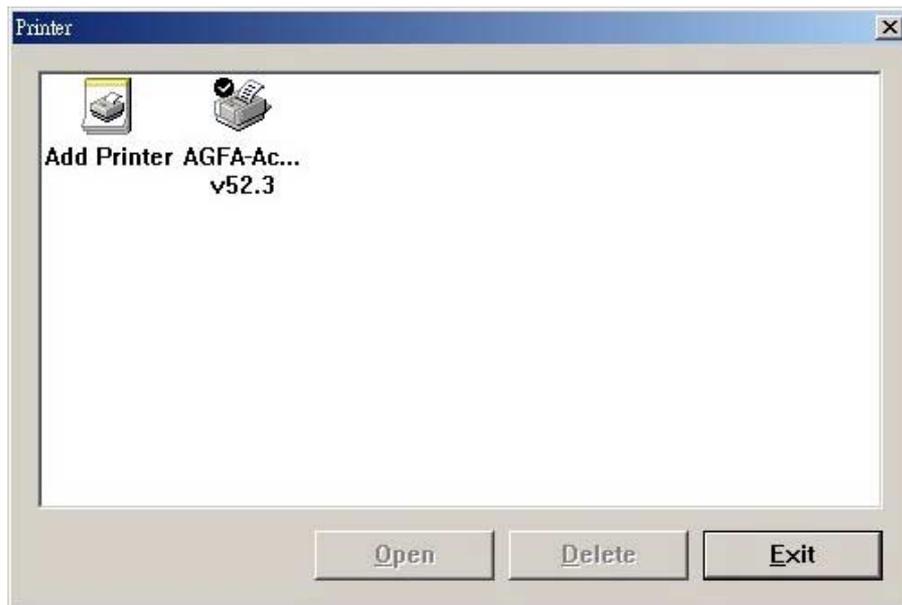
Assuming our printer's name to be AGFA-AccuSet v52.3 , type it on the column provided and then press the next button.



The system will provide the function of whether to make the printer is default.



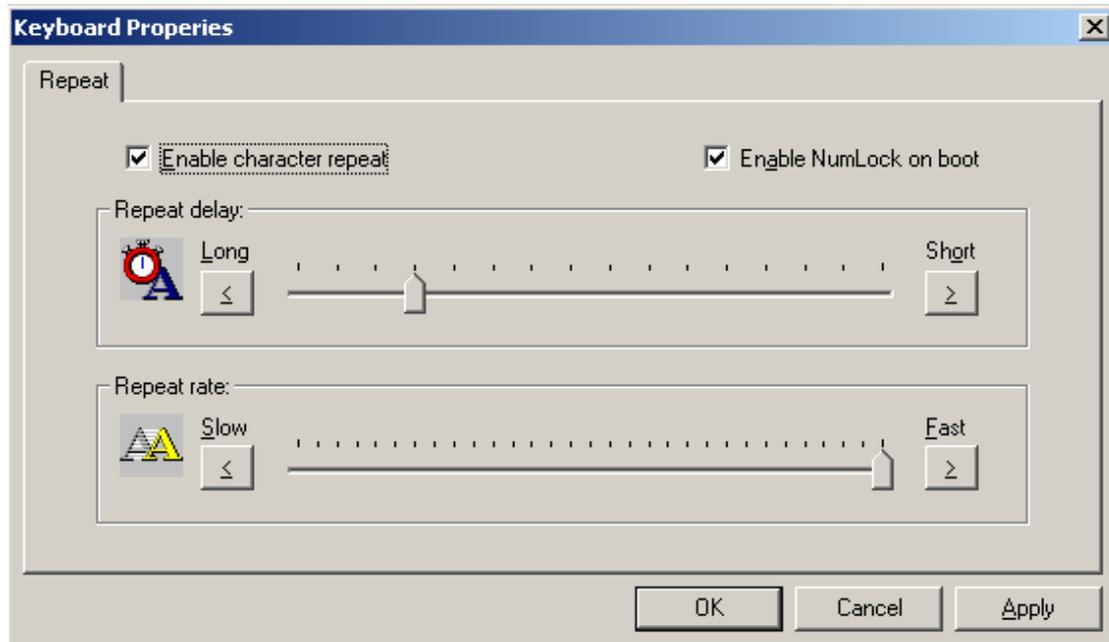
The wizard finished.



You have now successfully configured your own printer.

Keyboard Properties

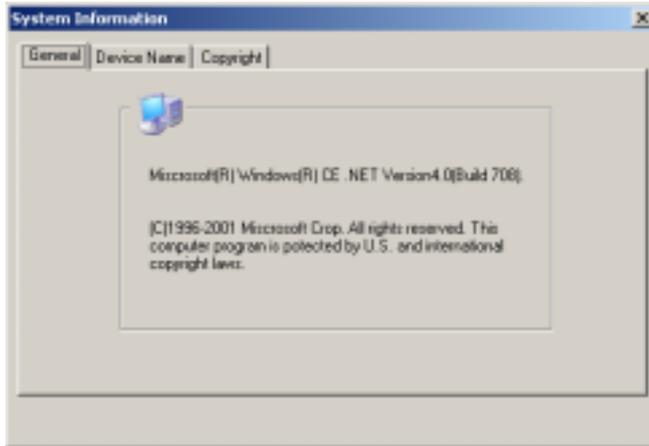
Keyboard Properties page allows you to set up the configuration of your keyboard.



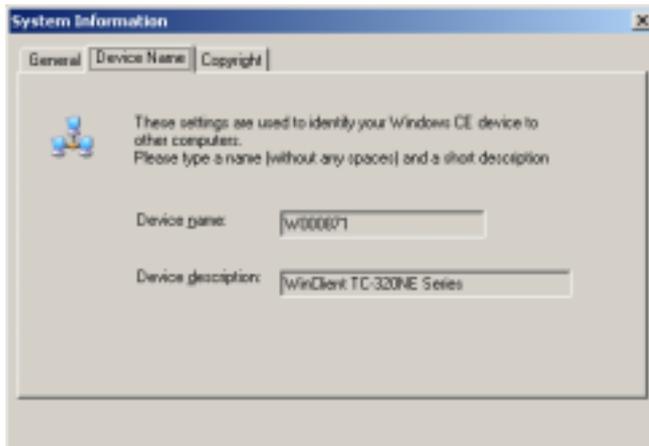
System Properties

System Properties page provide you the general information of the client. Those information includes:

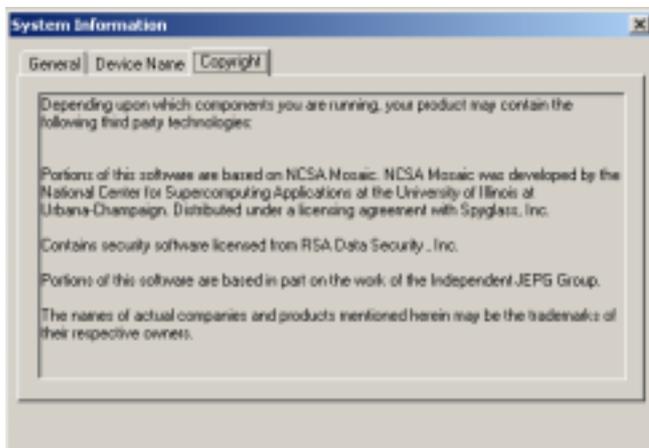
General :



Device Name

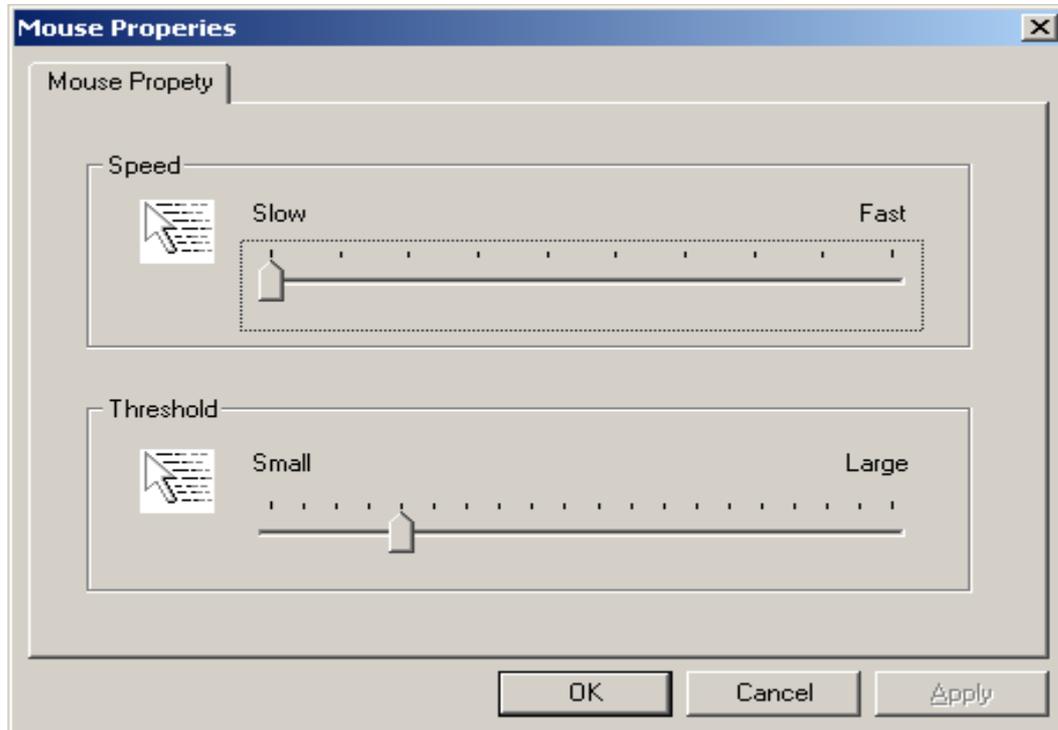


Copyrights



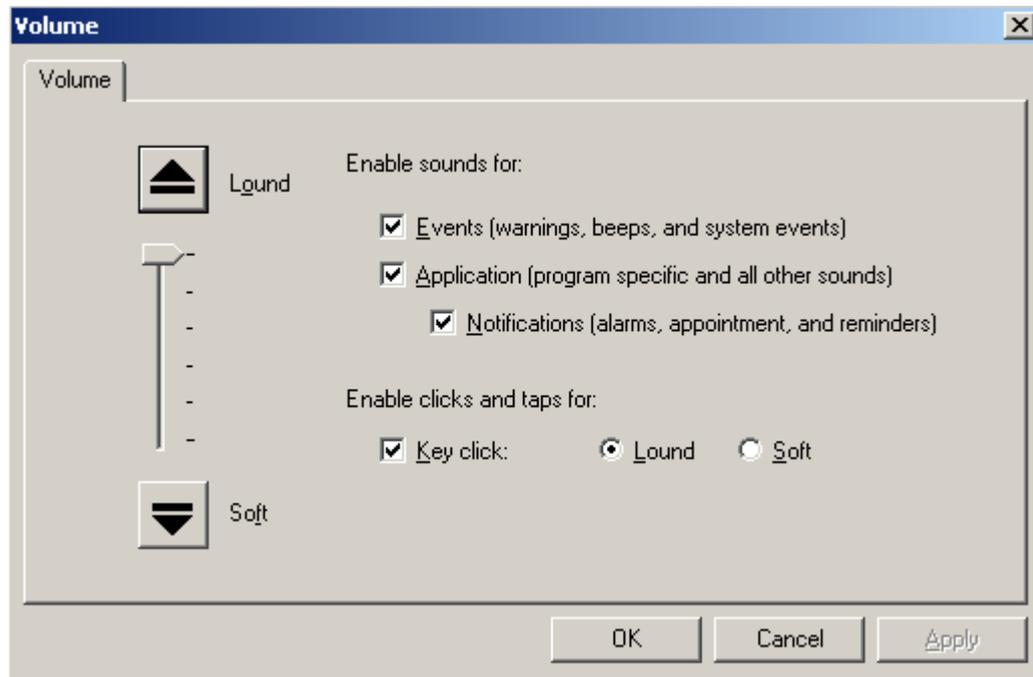
Mouse Properties

Keyboard Properties page allows you to set up the configuration of your keyboard.



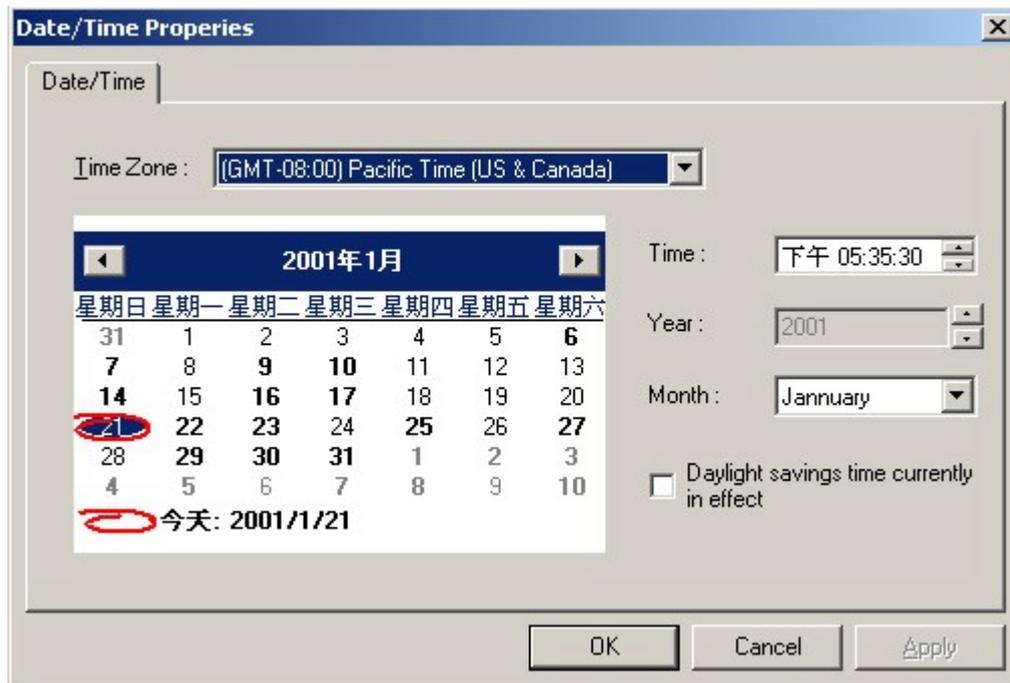
Volume and Sounds Properties

Volume and sound properties page allows you to make an adjustment on your client's sound qualities.



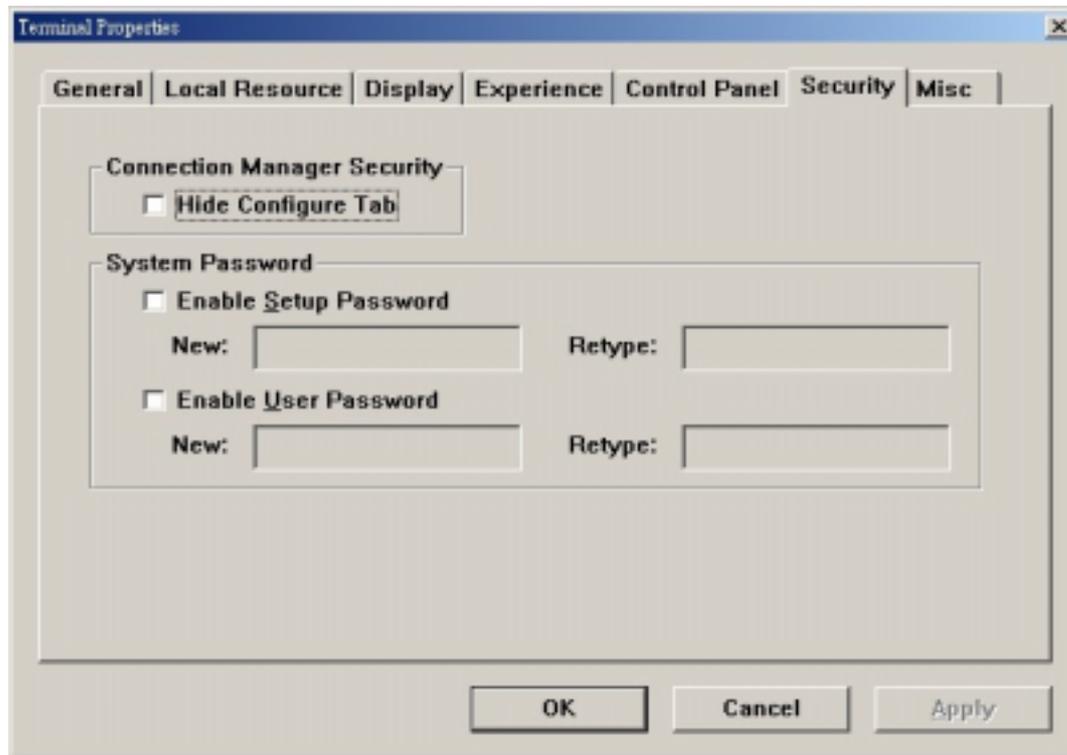
Date and Time Properties

This section is specially design for different time zone purpose, as one may have such need for the time requirement. It will enable user to set up the time for the local requirement.



Security Properties

Security Properties page enable the administrator or user to hide Configure Tab in Terminal Connection Manager and set up system passwords. These properties provide administrator or users more security level choices to access WinClient



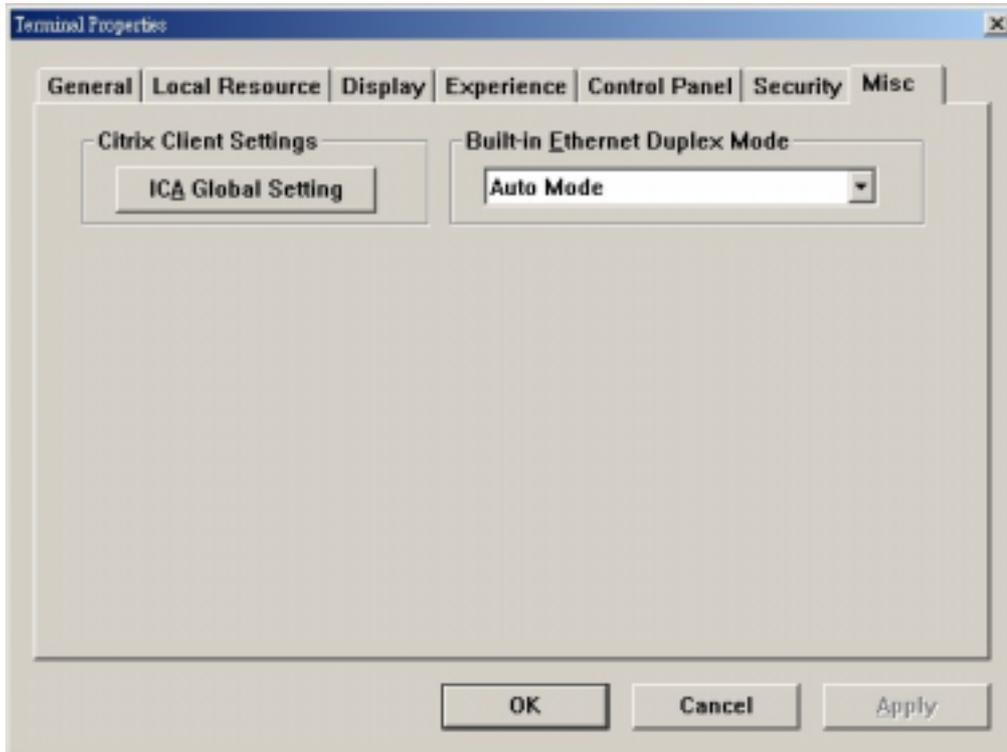
Hide Configure Tab: Once it was selected, Configure Tab in the Terminal Connection Manager will be hidden. User can not Add/Edit/Delete connections.

System Password: There are two types of password protection supported:

1. **Setup Password** is provided as a protection for authorized user to *setup* WinClient Terminal Properties. Once set, a Setup Password input dialog will be prompted while user presses F2 at Terminal Connection Manager program.
2. **User Password** is provided as a protection for authorized user to *use* this WinClient device. Once set, a User Password input dialog will be prompted at the system boot.

WARNING: Please be aware that once either user or setup password is set, and in case you forget password, there is no way to recover it without the original password except upgrading firmware image from boot ROM, please contact with your local distributor in case you encounter this problem.

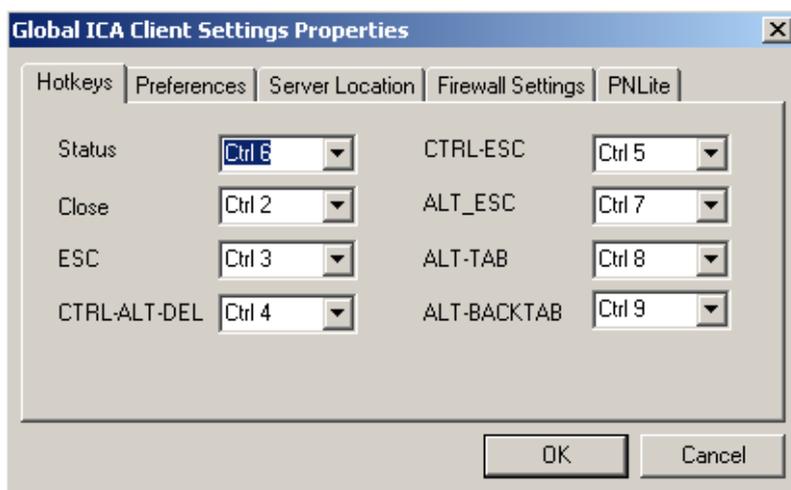
Miscellaneous Properties



ICA Global Setting:

Note: Refer to Citrix ICA client for Windows CE Windows-Based Terminal User Guide to set up ICA Global Settings. Under ICA Global Setting, users can adjust the following functions according to their needs.

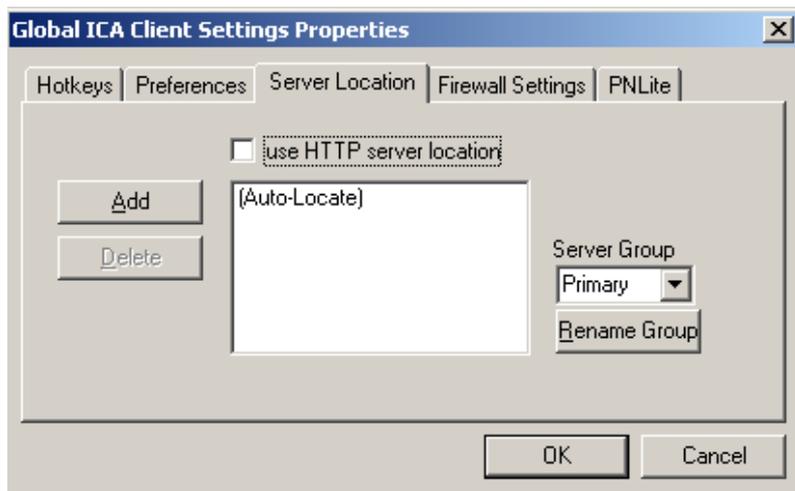
HotKeys



Preferences



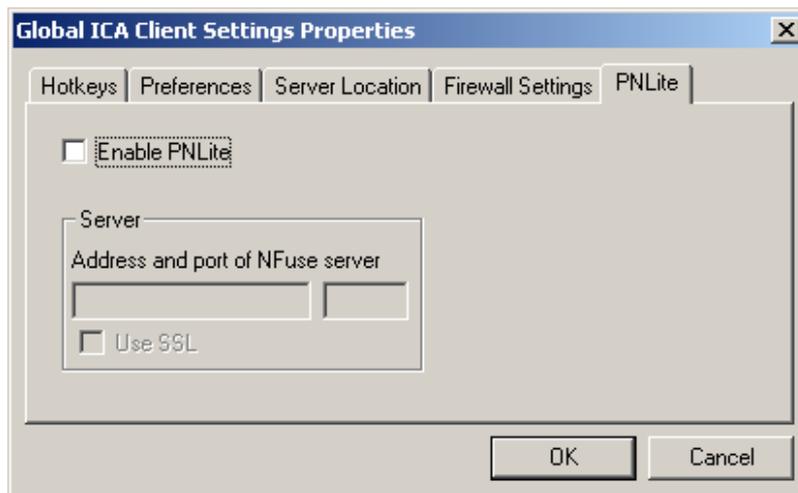
Server Location



Firewall Settings



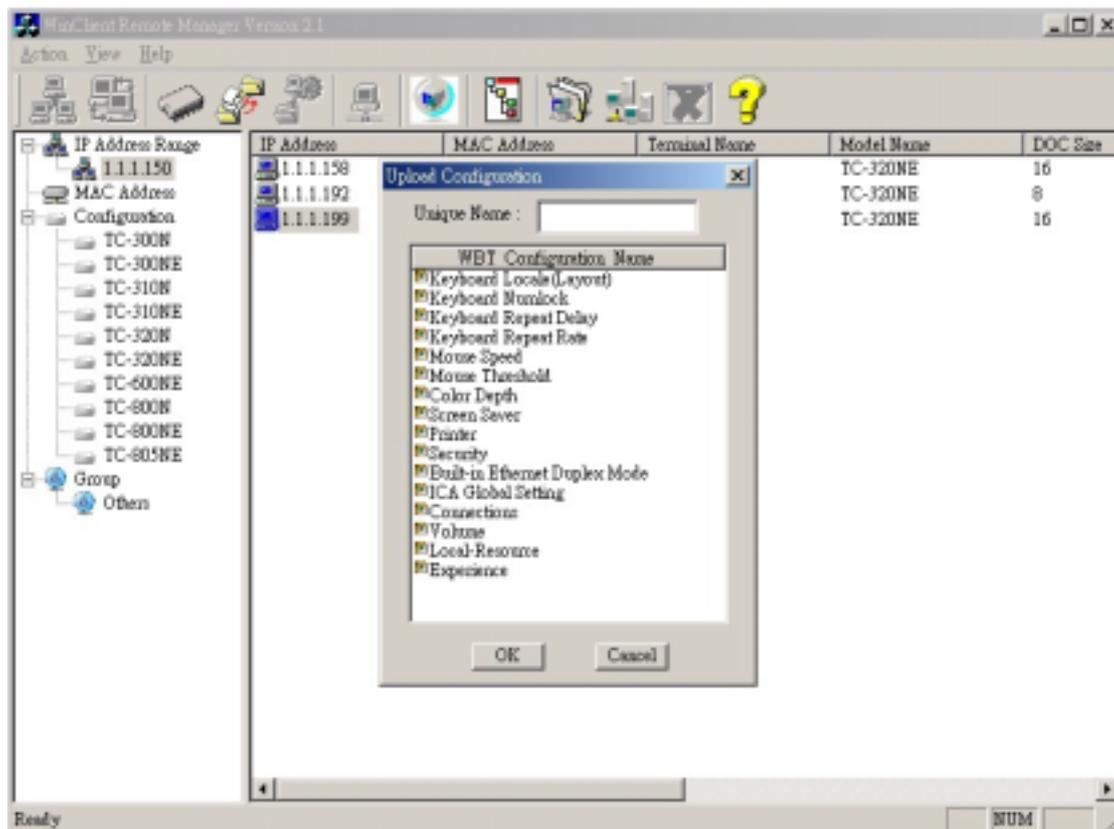
PNLite



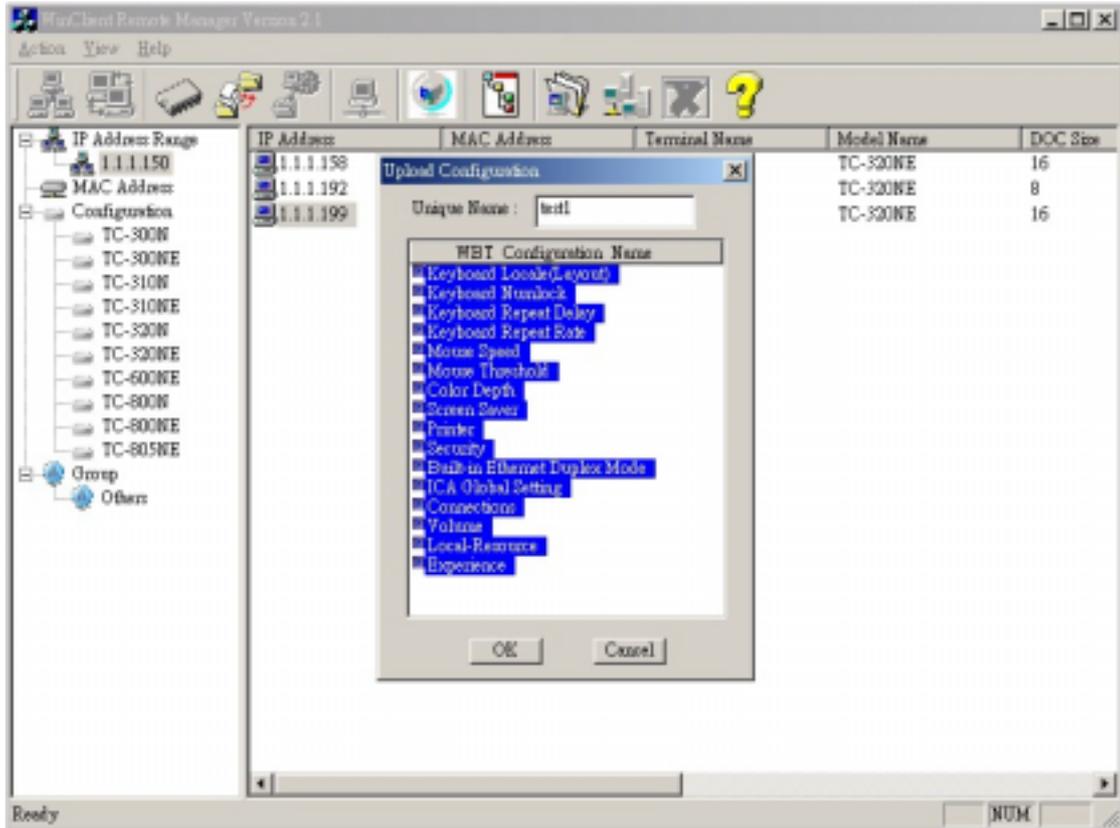
6:Upload Configurationsn & Connections

WRM can upload configurations & connections from a targeted Winclient remotely. The specific entries of configurations and connections could be saved into a file. The upload procedures are shown as following:

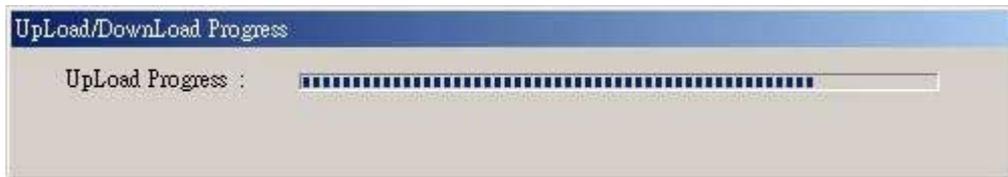
- Discover the WinClients on the network
- Select a WinClient which you want to upload
- Select the icon of “upload configuration from winclient”



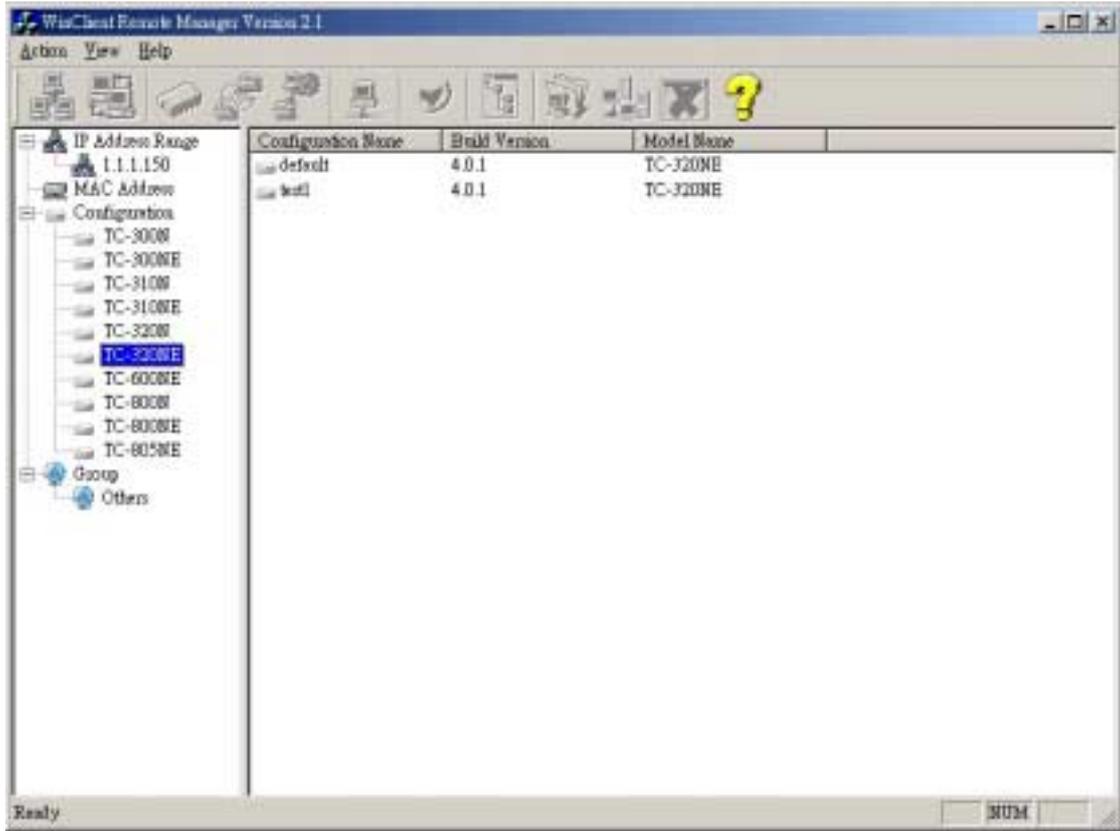
There are some entries in the menu. Select them and give it a different name then press OK button.



Select Entries



Uploading in progress

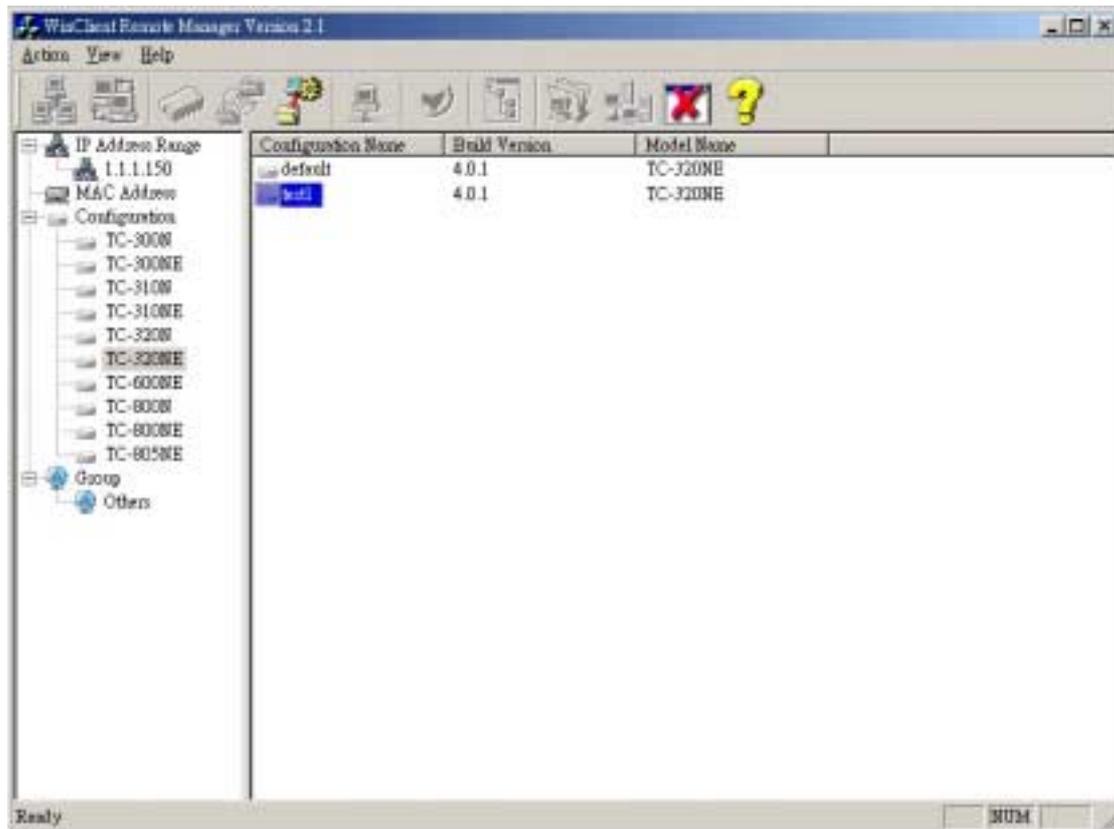


Save File to the “Configuration directory”.

7: Download Configurations & Connections

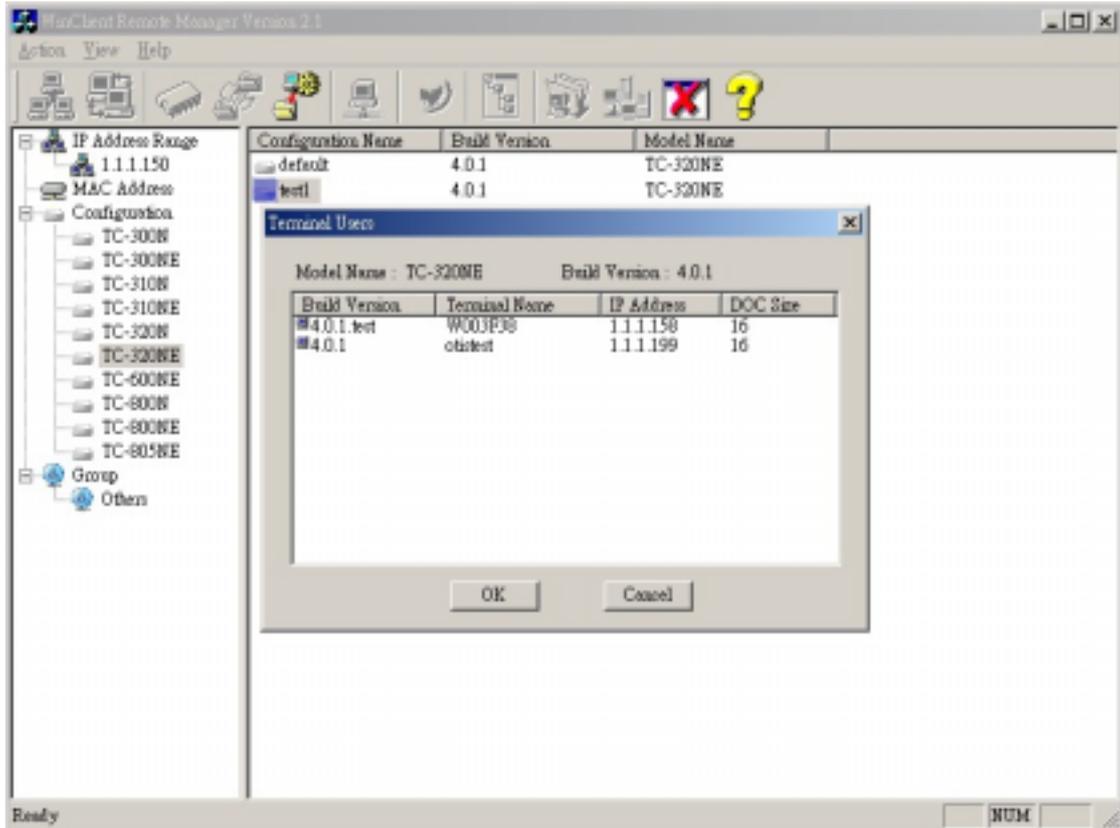
All different kinds of configurations were saved with different file name in the “configurations directory”. The procedures are show as following:

- Discover the WinClient on the network
- Select the file which you wanted to download to other WinClient.

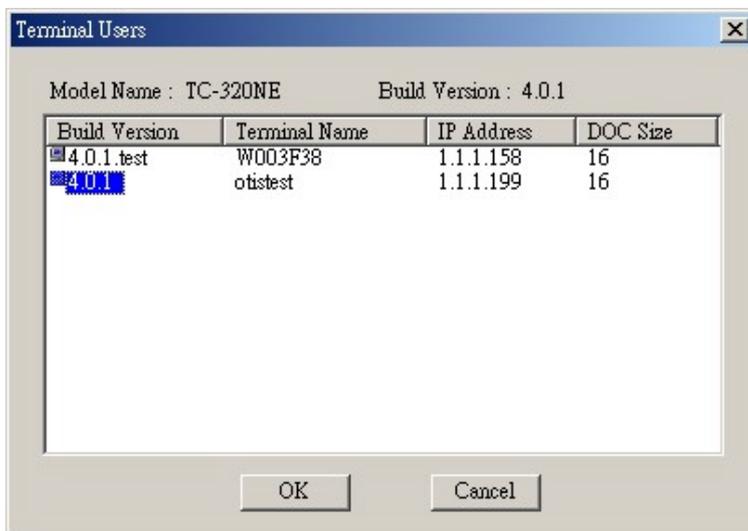


Select Configuration Name

- Select the icon of “Download configuration to WinClient” on WRM.
- A list of Terminal Users will be showed on the console.
- Select the terminal users that you want to download on the list.



Select Terminal Users



- After select the terminal users is completed, Press OK button .
- All of selected terminals will be rebooted after downloaded.

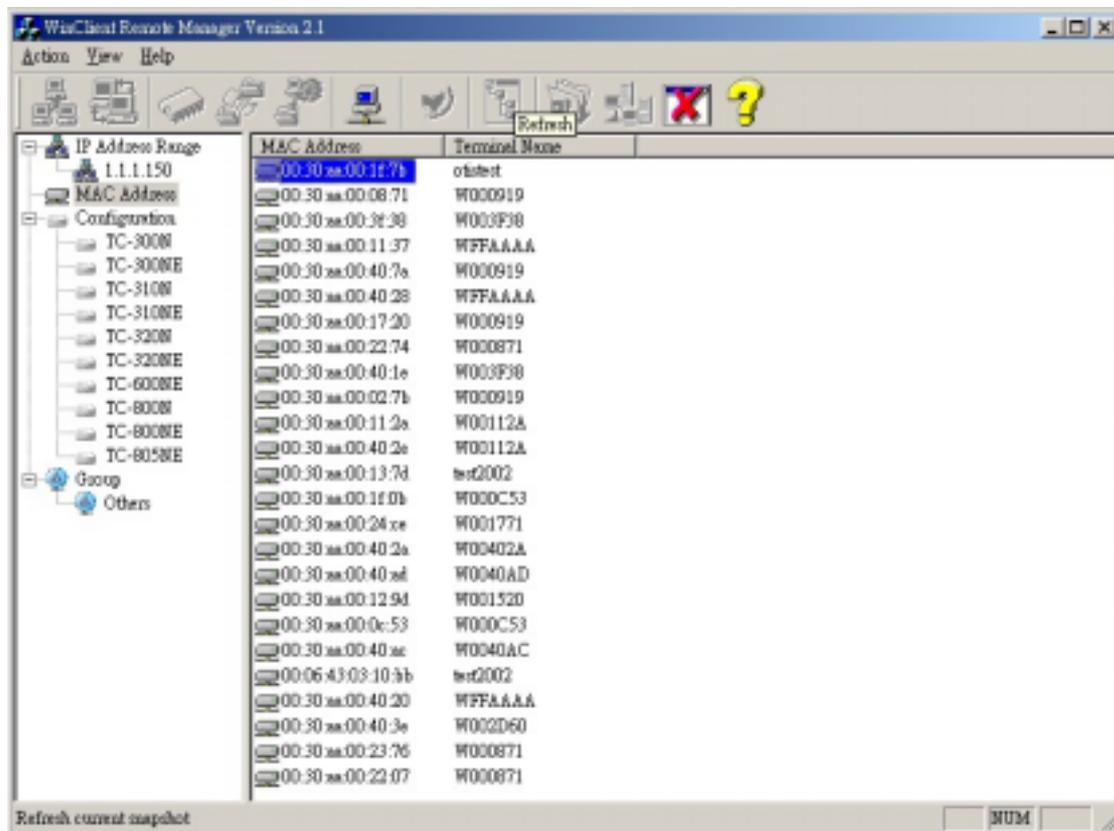
8: Wakeup / Power off Winclient

8-1: Wakeup on Lan

While the WinClient Remote Manager keeps Thin Client's Ethernet address, the wake on LAN function could power-on the thin client desktop when it's power off.

The Winclient's Mac address & Terminal name will be saved in the "MAC address directory". All of the discovered Terminals were recorded here.

- Select the WinClient which you want to wakeup .WRM supports multiple selection



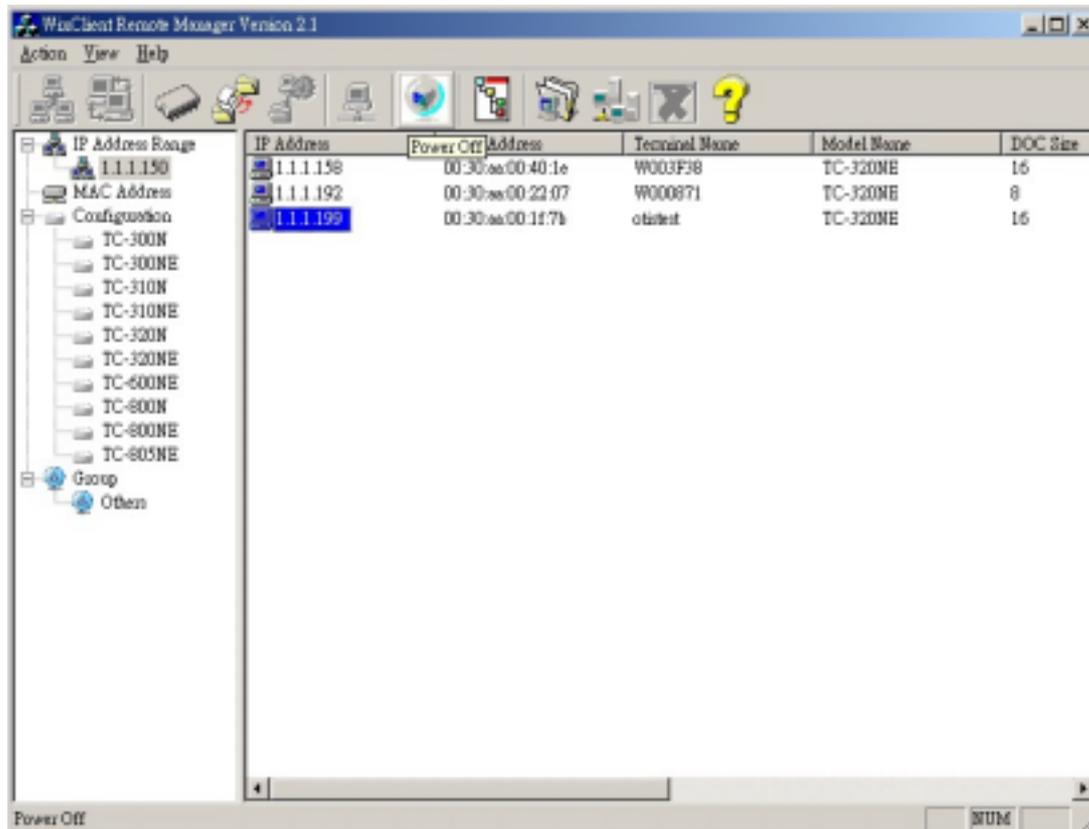
Select WinClients to Wake Up

- Press the icon of "Wakeup on LAN"
- All of the selected Winclients will be power-on automatically.

8-2: Power-off winclients remotely

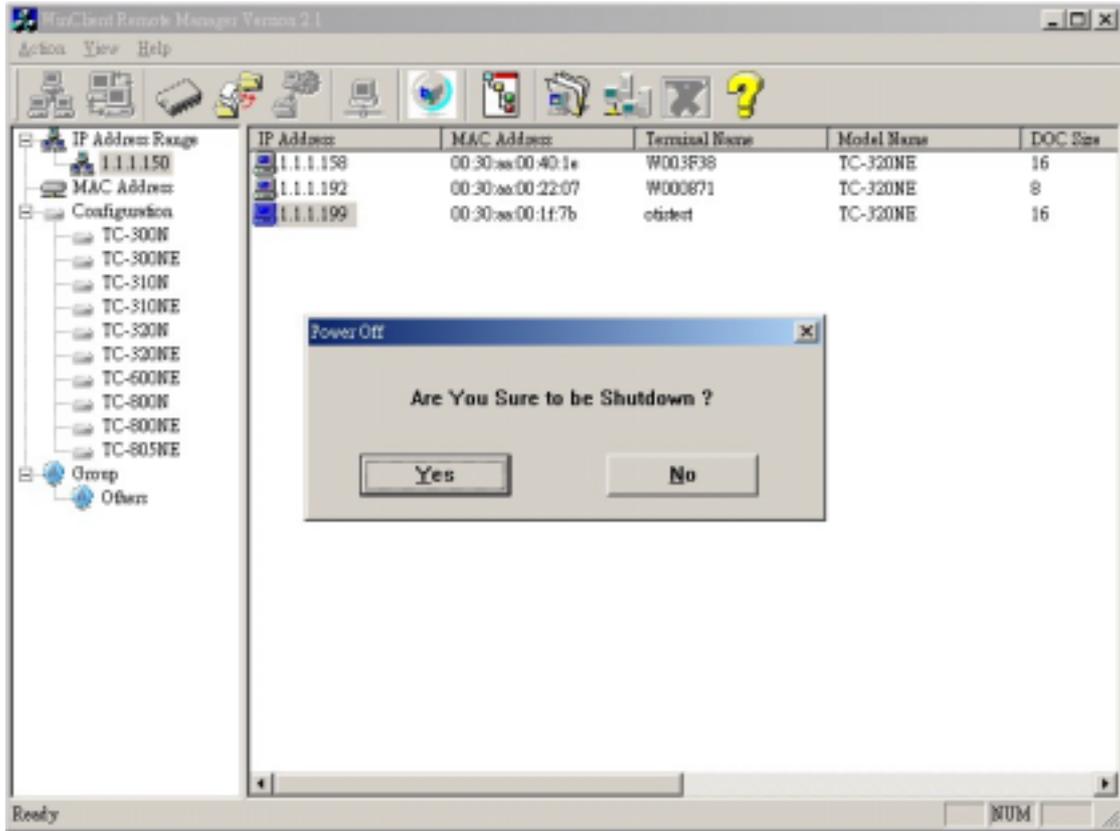
WRM can Power-off WinClients remotely. The procedures are showed as following:

- Discover WinClients on the network
- Select the WinClient which you wanted to Power-off .WRM supports multiple selection.



Select WinClients to Power-off

- Press the icon of “ **Power-off**” on WRM to power off the selected WinClients automatically.

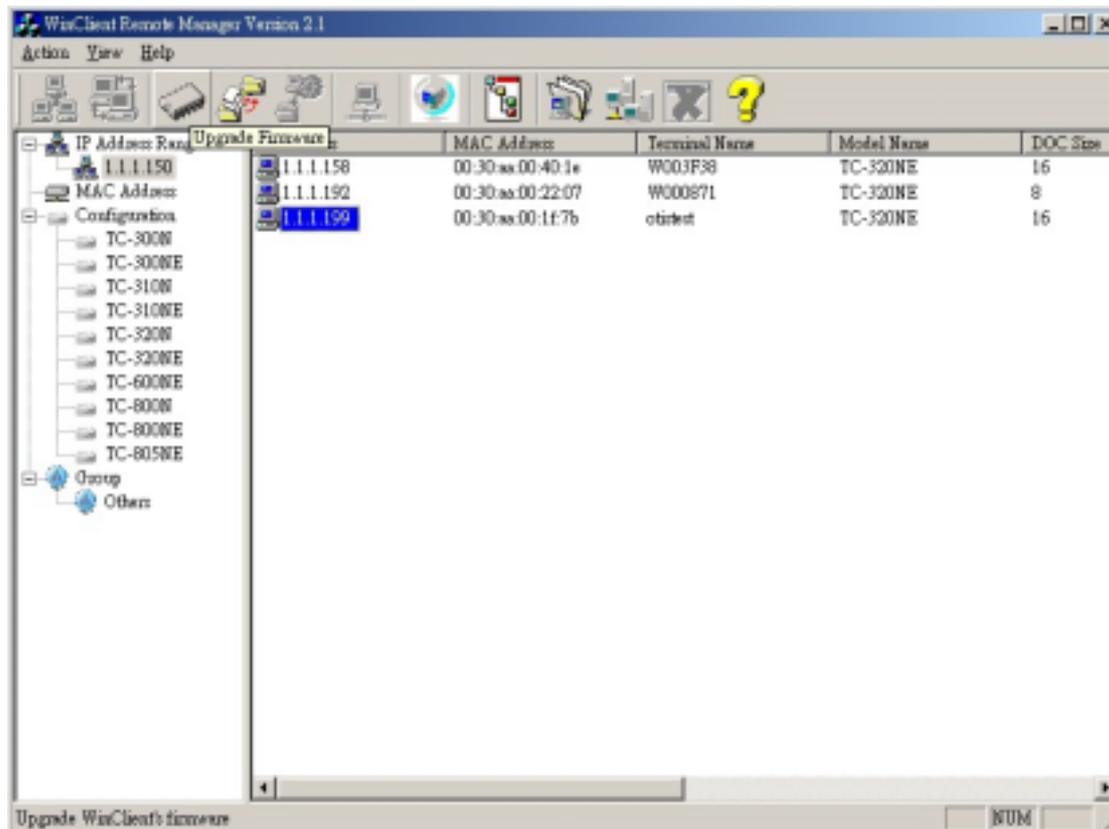


Click Yes to power-off the system

9: Remotely Upgrade firmware to single/Multiple clients

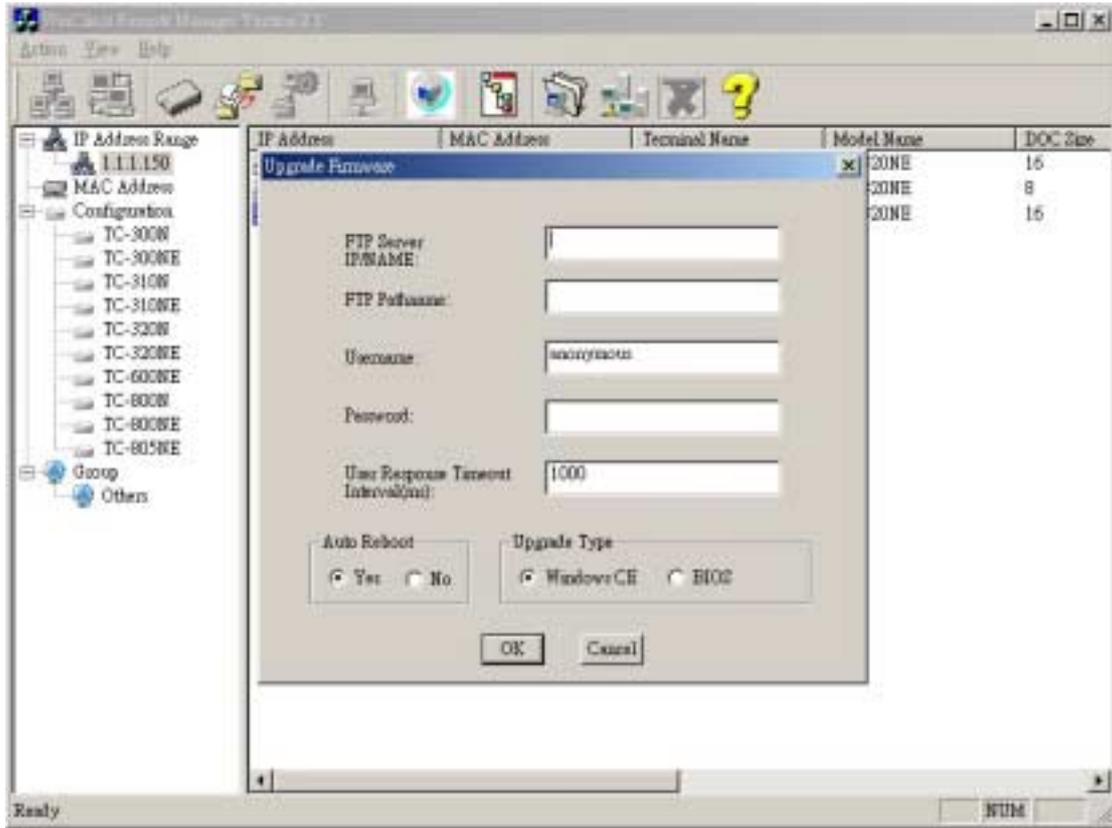
WRM could upgrade the firmware to single/multiple WinClients through FTP remotely. The procedures are showed as following:

- Discover the WinClients on the network
- Select the WinClients you wanted to upgrade firmware.



Select WinClients to Upgrade

- Press the icon of “upgrade Winclient’s firmware” on WRM
- After Upgrade Dialog box appeared, please type in FTP server’s IP/Name.
- Please key-in the name of firmware for FTP pathname.
- No password (left blanking)
- Press OK button to upgrade Firmware to selected WinClients.



Upgrade Firmware

10 : Winclient Remote Manager “ Hot Keys ”

Functions	Hot keys	Functions	Hot keys
Add IP Address Range	Key: F2	Power Off	Key: None
Change IP Address Range	Key: Alt + F2	Refresh	Key: F5
Upgrade Firmware	Key: F3	Terminal Properties Setup	Key: F8
Upload Configuration	Key: F4	Connections Setup	Key: F9
Download Configuration	Key: Alt + F4	Delete	Key: Delete button
Wakeup On LAN	Key: F7	Exit	Key: F10
Help	Key: F1		