

for Dial-Up Connection of DVR



PPPoE(Point to Point Protocol over Ethernet) **Setting Guide Manual**

(Rev. 2004.02.09)

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This Setting is to accept incoming connection from DVR Client, so apply only to the DVR Server Computer

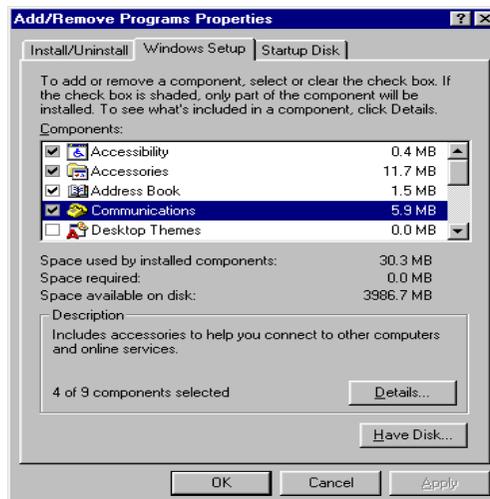
1) On the Windows Desktop, select the 'Start' -> 'Settings' -> 'Control Panel'.



2) Double-click the 'Add/Remove Programs'.



3) Select 'Windows Setup' tab and check the 'Communications' component and click 'Details'.



DVR Server Computer

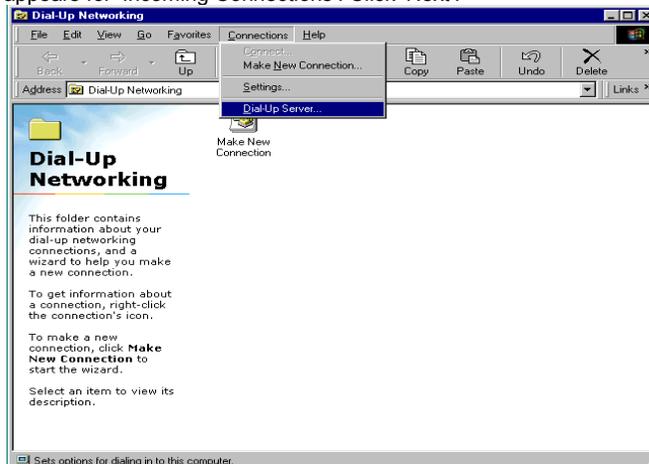
- 4) Check the 'Dial-up Server' component and click 'OK'.



- 5) Then, on the Windows Desktop, select the 'Start' -> 'Programs' -> 'Accessories' -> 'Communications' -> 'Dial-up Networking'.



- 6) Click the 'Connections' -> 'Dial-up Server' in Menu, and then the 'Dial-up Server' window appears for 'Incoming Connections'. Click 'Next'.



DVR Server Computer

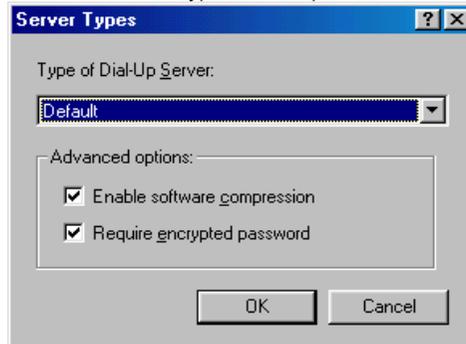
7) Select the 'Allow caller access' (☉).



Click 'Change Password' and register new password to allow caller access. Click 'OK'.



8) Click 'Server Type' and confirm the type of Dial-Up Server. Click 'OK'.



9) Then you can confirm that the Status is changed 'Idle' to 'Monitoring'. Click 'OK'.



10) Then you can confirm that the Dial-Up Server Icon () is created on the Task bar.

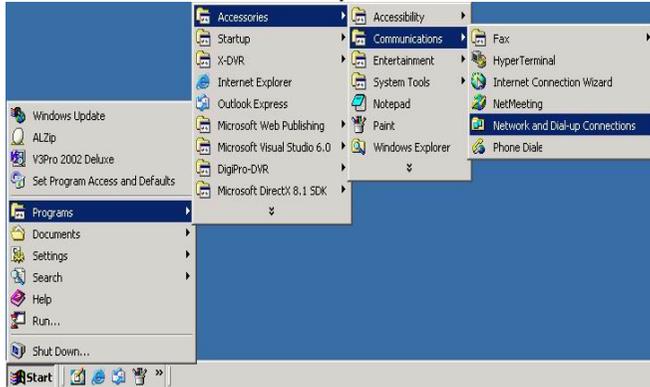


DVR Server Computer

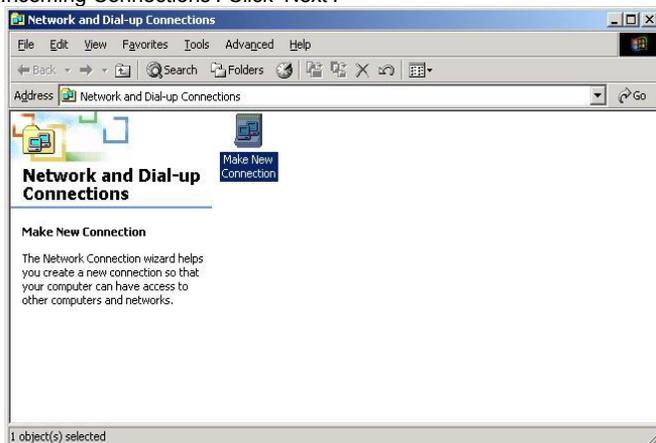
Windows2000 <Incoming Connection Setting>

This Setting is to accept incoming connection from DVR Client, so **apply only to the DVR Server Computer.**

- 1) On the Windows Desktop, select the 'Start' -> 'Programs' -> 'Accessories' -> 'Communications' -> 'Network and Dial-up Connections'.



- 2) Double-click the 'Make New Connection', and then the 'Network Connection Wizard' is run for 'Incoming Connections'. Click 'Next'.



DVR Server Computer

3) Select the 'Accept incoming connections' (☉), and click 'Next'.

Network Connection Wizard

Network Connection Type
You can choose the type of network connection you want to create, based on your network configuration and your networking needs.

- Dial-up to private network**
Connect using my phone line (modem or ISDN).
- Dial-up to the Internet**
Connect to the Internet using my phone line (modem or ISDN).
- Connect to a private network through the Internet**
Create a Virtual Private Network (VPN) connection or 'tunnel' through the Internet.
- Accept incoming connections**
Let other computers connect to mine by phone line, the Internet, or direct cable.
- Connect directly to another computer**
Connect using my serial, parallel, or infrared port.

< Back Next > Cancel

4) Select the **Devices for Incoming Connections** (☑), and click 'Next'.

Network Connection Wizard

Devices for Incoming Connections
You can choose the devices your computer uses to accept incoming connections.

Select the check box next to each device you want to use for incoming connections.

Connection devices:

- Conexant SoftK56 Data,Fax PCI Modem
- Direct Parallel (LPT1)

Properties

< Back Next > Cancel

5) Select the 'Do not allow virtual private connections' (☉), and click 'Next'.

Network Connection Wizard

Incoming Virtual Private Connection
Another computer can create a virtual private connection to your computer through the Internet or another public network.

Virtual private connections to your computer through the Internet are possible only if your computer has a known name or IP address on the Internet.

Choose whether to allow virtual private connections:

- Allow virtual private connections
- Do not allow virtual private connections

< Back Next > Cancel

DVR Server Computer

6) In this step, **select the users allowed to connect to this computer**. Only the allowed users (Client) can connect to DVR Server system in this computer.



To add new user, click 'Add' and register new user's name and password. Click 'OK'.



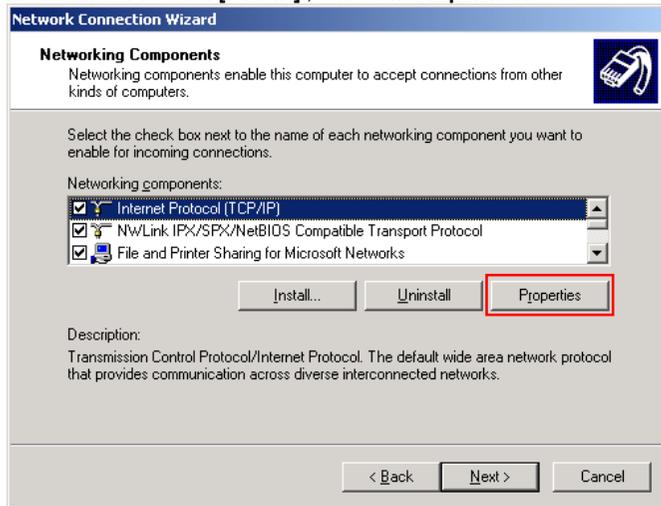
Then you can confirm a new user registered.

Select the users allowed to connect to this computer() , and click 'Next'.

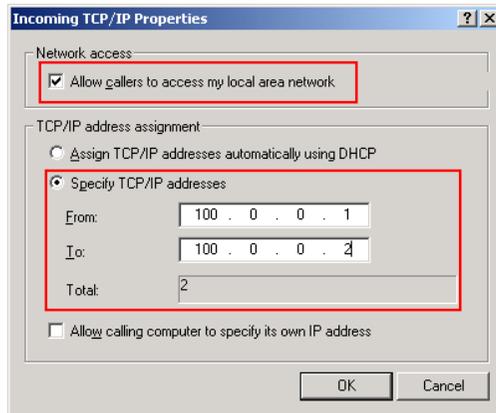


DVR Server Computer

- 7) Select the 'Internet Protocol [TCP/IP]', and click 'Properties'.



- 8) In this step, assign specified TCP/IP addresses for DVR system communications. Check the 'Allow callers to access my local area network' (☑), and select the 'Specify TCP/IP addresses' (☉). Then, write [100.0.0.1] in From and [100.0.0.2] in To. Click 'OK'.

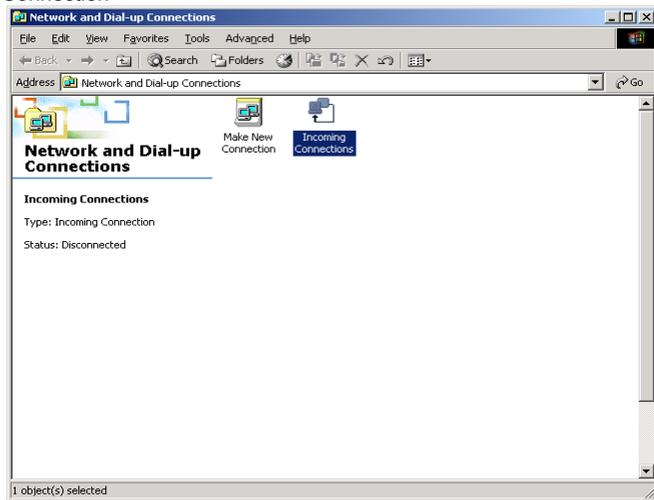


- 9) Windows has finished installing for Incoming Connection. Click 'Finish'.



DVR Server Computer

- 10) Then you can confirm the 'Incoming Connection' icon is created in 'Network and Dial-up Connection'

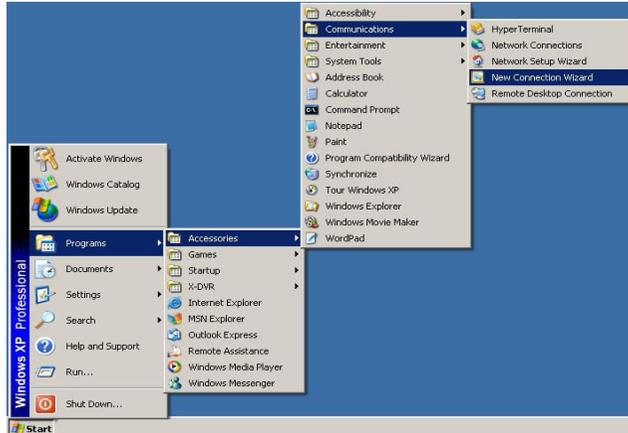


DVR Server Computer

WindowsXP <Incoming Connection Setting>

This Setting is to accept incoming connection from DVR Client, so **apply only to the DVR Server Computer**

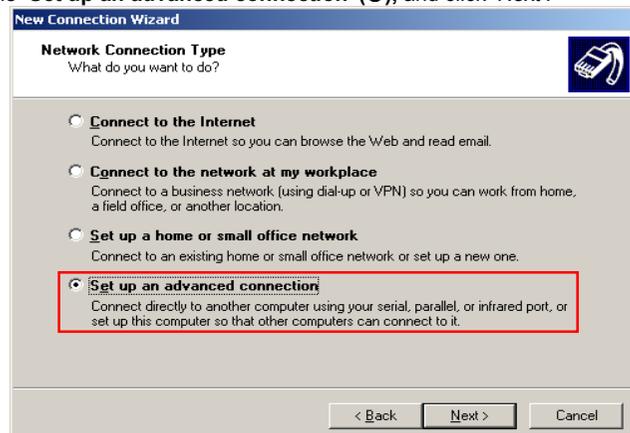
- 1) On the Windows Desktop, select the 'Start' -> 'All Programs' -> 'Accessories' -> 'Communications' -> 'New Connection Wizard'.



- 2) The 'Network Connection Wizard' is run for 'Incoming Connections Setting'. Click 'Next'.



- 3) Select the 'Set up an advanced connection' (☉), and click 'Next'.

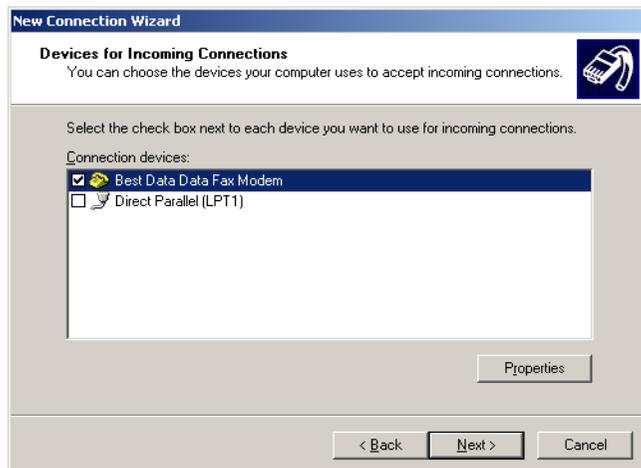


DVR Server Computer

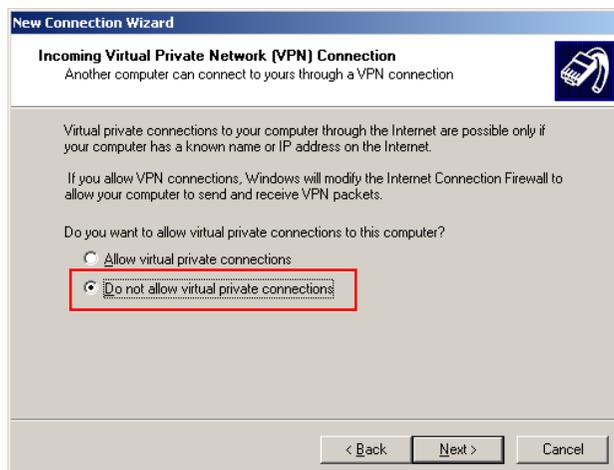
4) Select the 'Accept incoming connections' (☑), and click 'Next'.



5) Select the 'Devices for Incoming Connections' (☑), and click 'Next'.

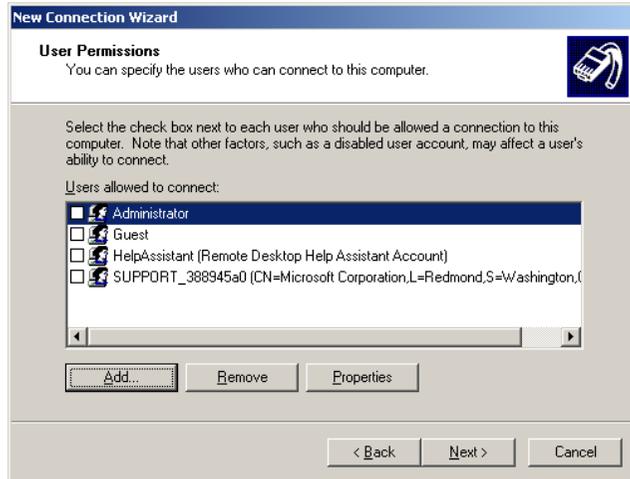


6) Select the 'Do not allow virtual private connections' (☑), and click 'Next'



DVR Server Computer

7) In this step, **select the users allowed to connect to this computer**. Only the allowed users (Client) can connect to DVR Server system in this computer.

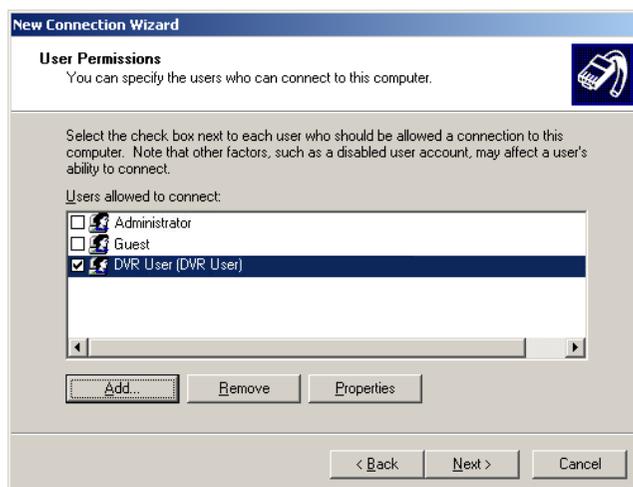


To add new user, click **'Add'** and register new user's name and password. Click **'OK'**.



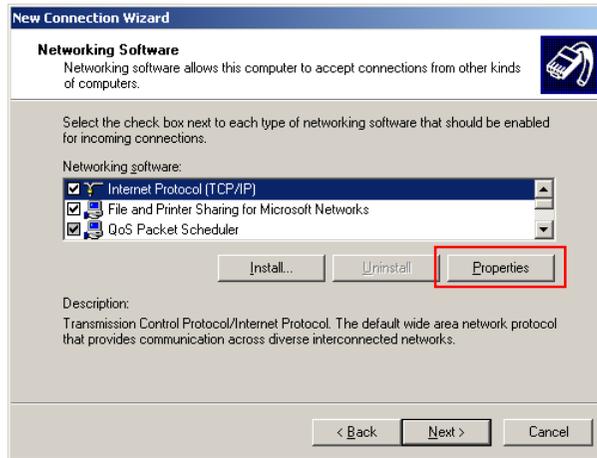
Then you can confirm a new user registered.

Select the users allowed to connect to this computer () , and click **'Next'**

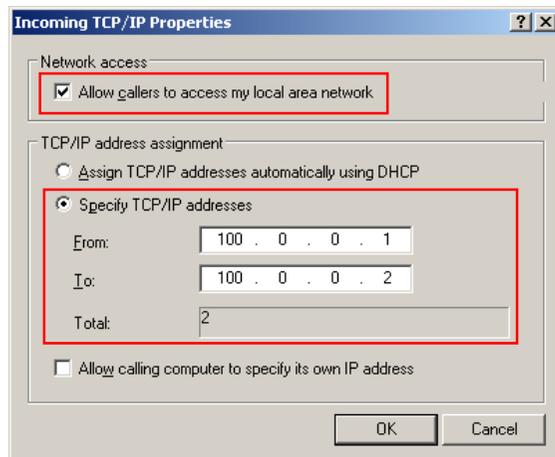


DVR Server Computer

- 8) Select the **'Internet Protocol [TCP/IP]'**, and click **'Properties'**.



- 9) In this step, assign specified TCP/IP addresses for DVR system communications. Check the **'Allow callers to access my local area network'**(), and select the **'Specify TCP/IP addresses'**(). Then, write **[100.0.0.1]** in From and **[100.0.0.2]** in To. Click **'OK'**.

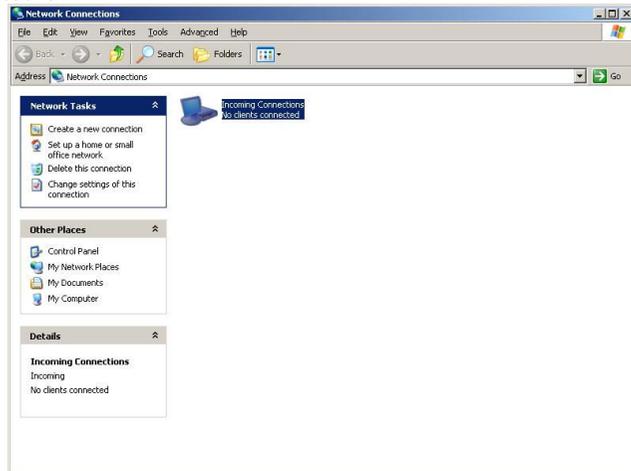


- 10) Windows has finished installing for Incoming Connections. Click **'Finish'**.



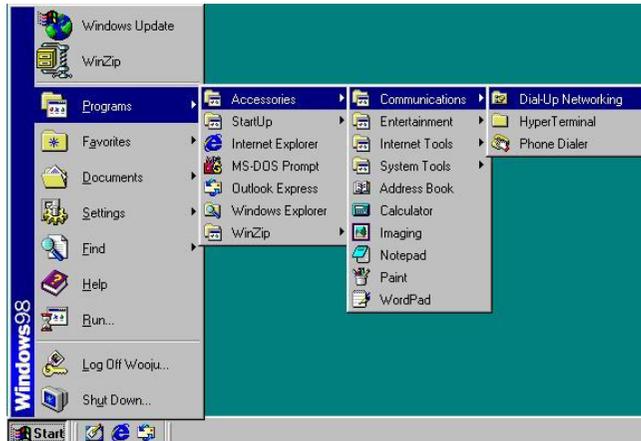
DVR Server Computer

- 11) Then you can confirm the 'Incoming Connections' icon is created in 'Network Connections'.

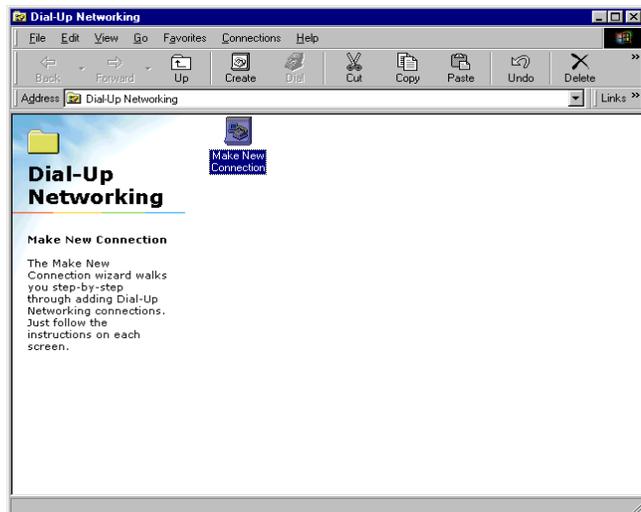


This Setting is to connect to DVR Server, so apply only to the DVR Client Computer

- 1) On the Windows Desktop, select the 'Start' -> 'Programs' -> 'Accessories' -> 'Communications' -> 'Dial-up Networking'.



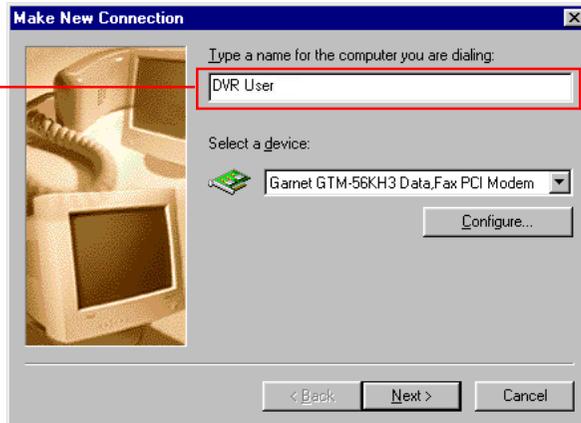
- 2) Double-click the 'Make New Connection', and then the 'Make New Connection' window is displayed.



DVR Client Computer

<Notice>
In case of the OS of the DVR Server Computer is Windows98 or ME, You should type the User name registered in the DVR Server Computer in User name. (Refer to page30.)

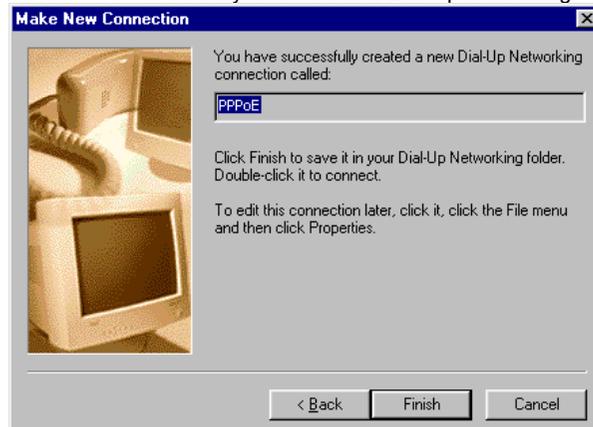
- 3) Write the name for the DVR Server computer you want to connect to. Icon of this connection is created with this name. Click 'Next'.



- 4) Write the phone number of the DVR Server computer you want to connect to, and click 'Next'.
(*Note: The 'Dial-up Connection' is the Point to Point Communication. So, the only one DVR Client can connect to the only one DVR Server by 'Dial-up Connection'.)

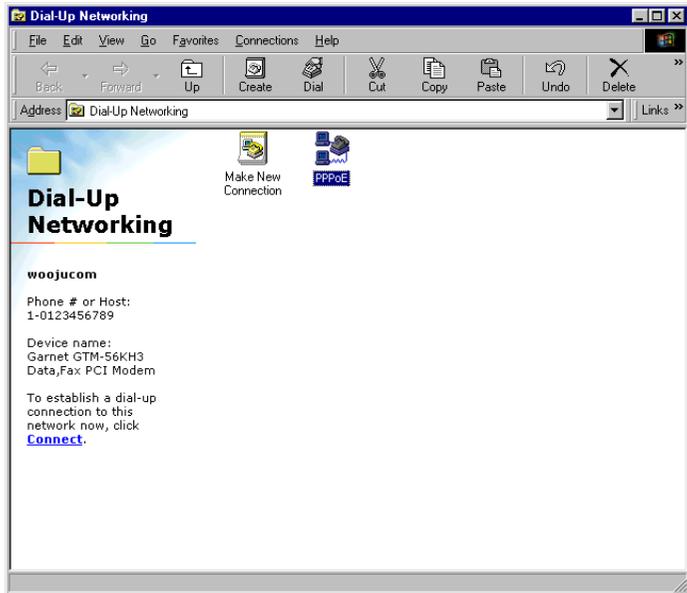


- 5) Click 'Finish'. You have successfully created a new Dial-Up Networking connection.



DVR Client Computer

- 6) Then you can confirm the 'Dial-up Connection' icon is created with specified name in 'Dial-up Networking' and on Windows Desktop.

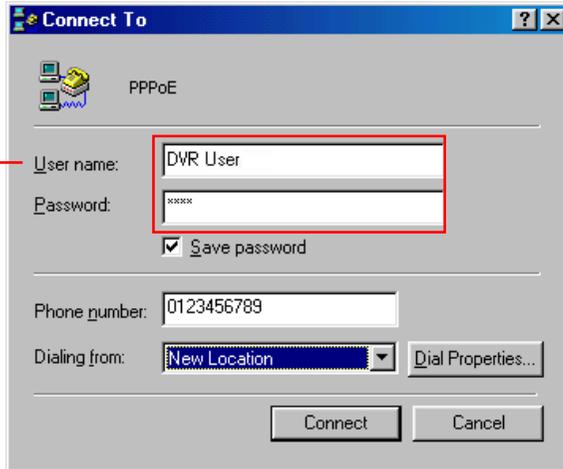


DVR Client Computer

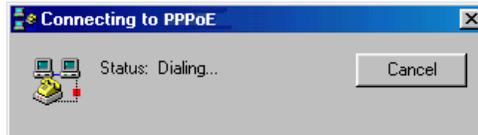
Windows98,ME <How to Connect to DVR Server>

<Notice 1>
In case of the OS of the DVR Server Computer is Windows98 or ME, You should type the User name registered in the DVR Server Computer in User name. (Refer to page30.)

- 1) Double-click the created 'Dial-up Connection' icon () and write user name and password registered in 'Incoming Connection' of the DVR Server computer. Click 'Dial'.



- 2) Connecting the DVR Server computer by **Dialing** to phone number of the DVR Server computer.



(*Note: According to the case of fault on 'Dial-up Connection' setup or condition of Communication line, error can be caused.)

- 3) If connected, **Dial-up Connection Status icon at the Tray bar** of Window will be activated.



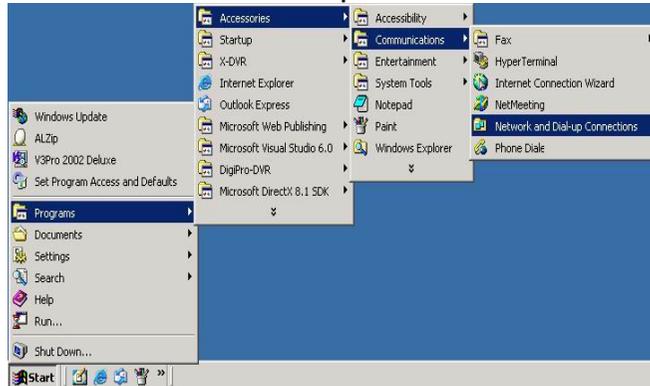
<Notice 2>
In case of the OS of the DVR Server Computer is Windows98 or ME, the Server Address is not specified by [100.0.0.1]. Therefore you should find out the IP address of the DVR Server Computer you want to connect to. (Refer to page31.)

- 4) If connected successfully, turn on the DVR Client system and connect the DVR Server you want to connect to.

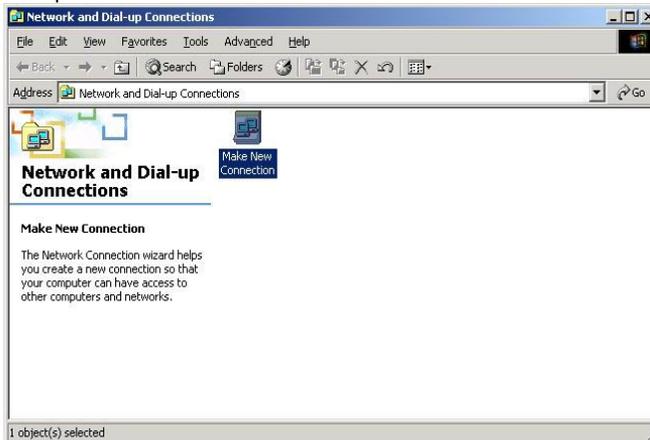
*In case of the OS of the DVR Server Computer is Windows2000 or XP, the Server Address is specified by [100.0.0.1].

This Setting is to connect to DVR Server, so apply only to the DVR Client Computer

- 1) On the Windows Desktop, select the 'Start' -> 'Programs' -> 'Accessories' -> 'Communications' -> 'Network and Dial-up Connections'.

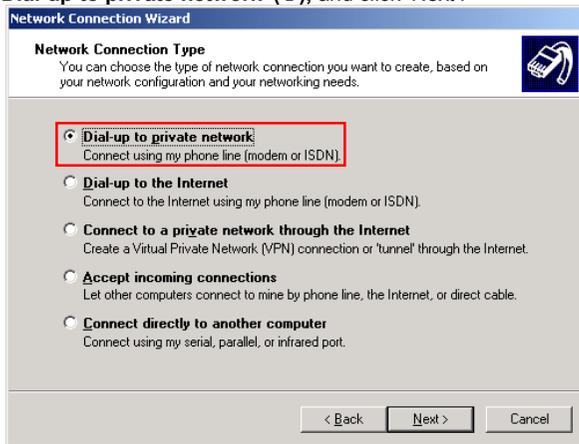


- 2) Double-click the 'Make New Connection', and then the 'Network Connection Wizard' is run for 'Dial-up Connections'. Click 'Next'.



DVR Client Computer

3) Select the 'Dial-up to private network' (☉), and click 'Next'.



Network Connection Wizard

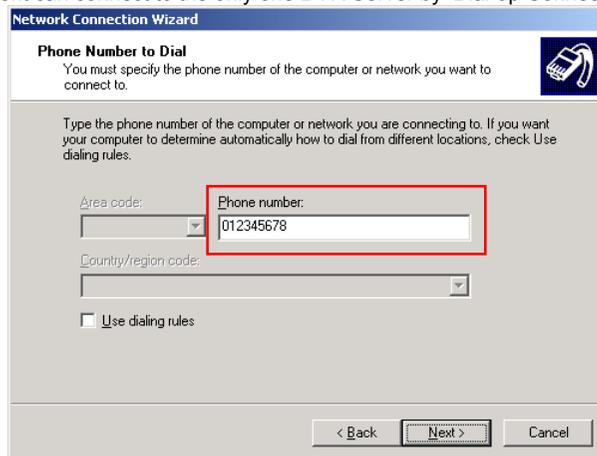
Network Connection Type
You can choose the type of network connection you want to create, based on your network configuration and your networking needs.

- Dial-up to private network**
Connect using my phone line (modem or ISDN).
- Dial-up to the Internet**
Connect to the Internet using my phone line (modem or ISDN).
- Connect to a private network through the Internet**
Create a Virtual Private Network (VPN) connection or 'tunnel' through the Internet.
- Accept incoming connections**
Let other computers connect to mine by phone line, the Internet, or direct cable.
- Connect directly to another computer**
Connect using my serial, parallel, or infrared port.

< Back Next > Cancel

4) Write the phone number of the DVR Server computer you want to connect to, and click 'Next'.

(*Note: The 'Dial-up Connection' is the Point to Point Communication. So, the only one DVR Client can connect to the only one DVR Server by 'Dial-up Connection'.)



Network Connection Wizard

Phone Number to Dial
You must specify the phone number of the computer or network you want to connect to.

Type the phone number of the computer or network you are connecting to. If you want your computer to determine automatically how to dial from different locations, check Use dialing rules.

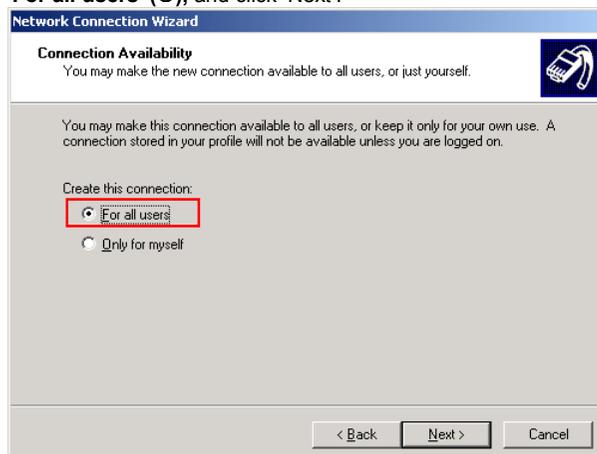
Area code: Phone number:

Country/region code:

Use dialing rules

< Back Next > Cancel

5) Select the 'For all users' (☉), and click 'Next'.



Network Connection Wizard

Connection Availability
You may make the new connection available to all users, or just yourself.

You may make this connection available to all users, or keep it only for your own use. A connection stored in your profile will not be available unless you are logged on.

Create this connection:

- For all users**
- Only for myself

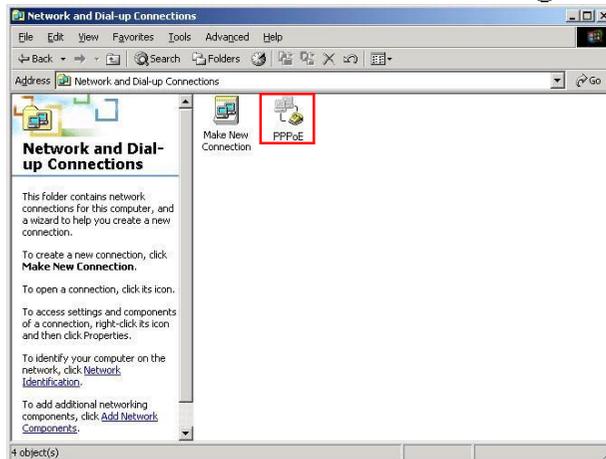
< Back Next > Cancel

DVR Client Computer

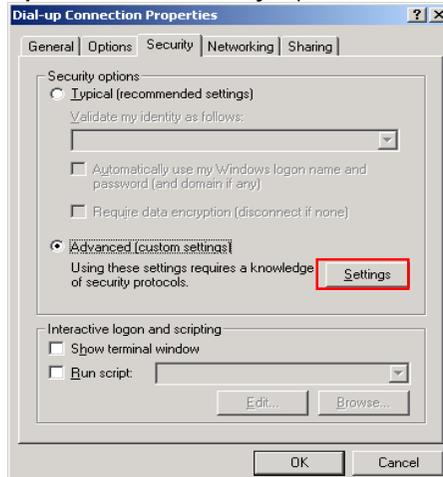
- 6) Write the name you want to use for this connection. Icon of this connection is created with this name. Check the **'Add a shortcut to my desktop'** () , and click 'Next' .



- 7) Then you can confirm the **'Dial-up Connection'** icon is created with specified name in 'Network and Dial-up Connection' and on Windows Desktop ().



- 8) Among the menu shown by clicking the 'Dial-up Connection' icon with the right button of mouse, click the **'Properties'**. Select **'Security'** tap and click **'Settings'**.

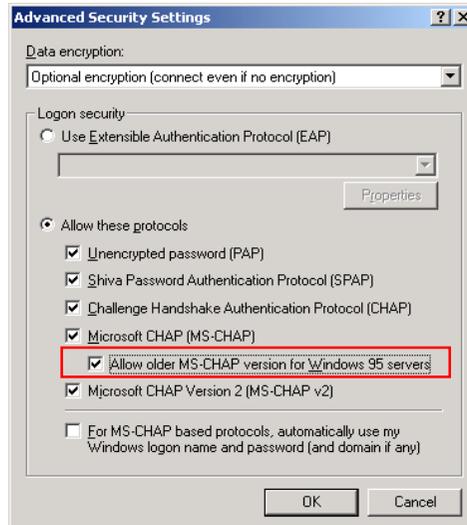


DVR Client Computer

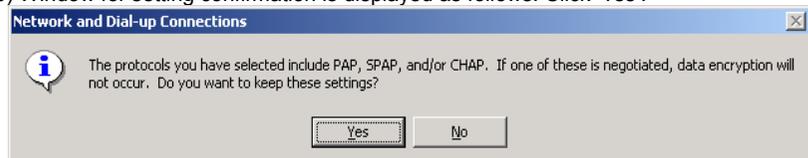
9) 'Advanced Security Settings' window is displayed as follows.



Check the 'Allow older MS-CHAP version for Windows 95 servers' () and click 'OK'.



10) Window for setting confirmation is displayed as follows. Click 'Yes'.

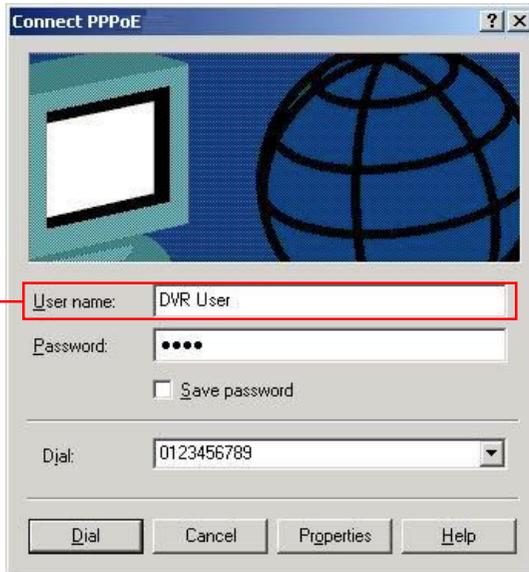


11) Finish the 'Dial-Up Connection Setting' by clicking 'OK' on the 'Dial-Up Connection Properties' window.

DVR Client Computer

Windows2000 <How to Connect to DVR Server>

- 1) Double-click the created 'Dial-up Connection' icon () and write user name and password registered in 'Incoming Connection' of the DVR Server computer. Click 'Dial'.



<Notice 1>
In case of the OS of the DVR Server Computer is Windows98 or ME, You should type the User name registered in the DVR Server Computer in User name. (Refer to page30.)

- 2) Connecting the DVR Server computer by **Dialing** to phone number of the DVR Server computer.



(*Note: According to the case of fault on 'Dial-up Connection' setup or condition of Communication line, error can be caused.)

- 3) If it connected, **Dial-up Connection icon at the Tray bar** of Window will be activated.



<Notice 2>
In case of the OS of the DVR Server Computer is Windows98 or ME, the Server Address is not specified by [100.0.0.1]. Therefore you should find out the IP address of the DVR Server Computer you want to connect to. (Refer to page31.)

- 4) If connected successfully, turn on the DVR Client system and connect the DVR Server you want to connect to.

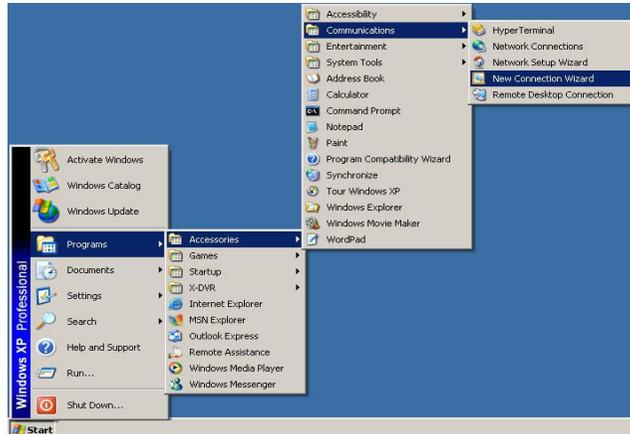
*In case of the OS of the DVR Server Computer is Windows2000 or XP, the Server Address is specified by [100.0.0.1].

DVR Client Computer

WindowsXP <Dial-up Connection Setting>

This Setting is to connect to XDVR Server, so **apply only to the DVR Client Computer**

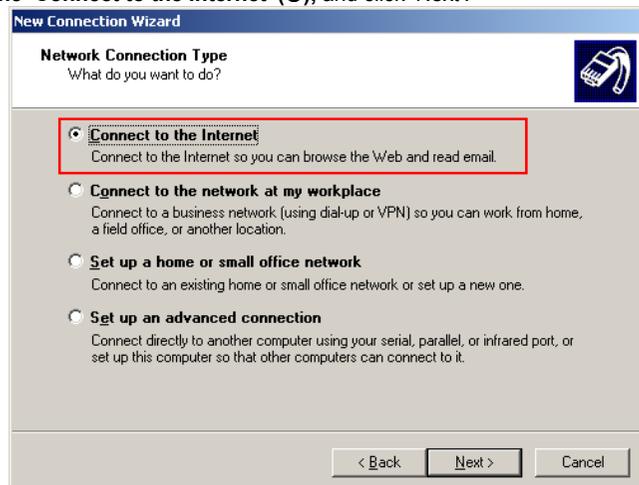
- 1) On the Windows Desktop, select the 'Start' -> 'All Programs' -> 'Accessories' -> 'Communications' -> 'New Connection Wizard'.



- 2) The 'Network Connection Wizard' is run for 'Dial-up Connection Setting'. Click 'Next'.



- 3) Select the 'Connect to the Internet' (☉), and click 'Next'.



DVR Client Computer

4) Select the 'Set up my connection manually' (☑), and click 'Next'

The screenshot shows the 'New Connection Wizard' dialog box with the title 'Getting Ready'. Below the title, it says 'The wizard is preparing to set up your Internet connection.' There is a small icon of a modem in the top right corner. The main question is 'How do you want to connect to the Internet?'. There are three radio button options: 'Choose from a list of Internet service providers (ISPs)', 'Set up my connection manually' (which is selected and highlighted with a red box), and 'Use the CD I got from an ISP'. Below the 'Set up my connection manually' option, there is a small text box explaining that for a dial-up connection, you need account name, password, and phone number, while for broadband, you don't need a phone number. At the bottom, there are three buttons: '< Back', 'Next >', and 'Cancel'.

5) Select the 'Connect using a dial-up modem' (☑), and click 'Next'

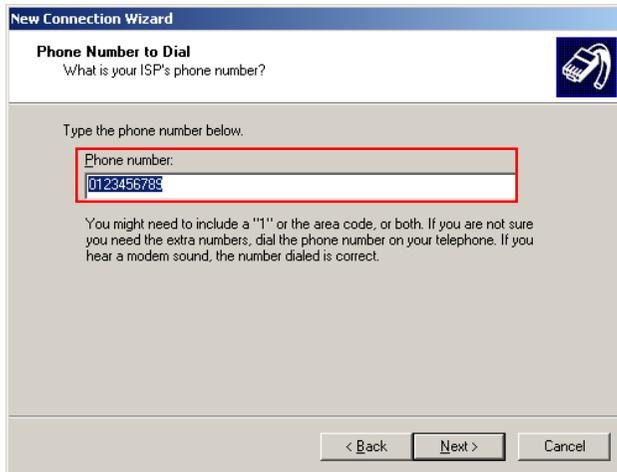
The screenshot shows the 'New Connection Wizard' dialog box with the title 'Internet Connection'. Below the title, it says 'How do you want to connect to the Internet?'. There is a small icon of a modem in the top right corner. The main question is 'How do you want to connect to the Internet?'. There are three radio button options: 'Connect using a dial-up modem' (which is selected and highlighted with a red box), 'Connect using a broadband connection that requires a user name and password', and 'Connect using a broadband connection that is always on'. Below the 'Connect using a dial-up modem' option, there is a small text box explaining that this type of connection uses a modem and a regular or ISDN phone line. Below the other two options, there are small text boxes explaining that they are high-speed connections using DSL or cable modems. At the bottom, there are three buttons: '< Back', 'Next >', and 'Cancel'.

6) Write the name you want to use for this connection. Icon of this connection is created with this name. Click 'Next'.

The screenshot shows the 'New Connection Wizard' dialog box with the title 'Connection Name'. Below the title, it says 'What is the name of the service that provides your Internet connection?'. There is a small icon of a modem in the top right corner. The main question is 'What is the name of the service that provides your Internet connection?'. Below the question, it says 'Type the name of your ISP in the following box.' and 'ISP Name'. There is a text input field containing 'PPPoE', which is highlighted with a red box. Below the input field, there is a small text box explaining that the name typed here will be the name of the connection. At the bottom, there are three buttons: '< Back', 'Next >', and 'Cancel'.

DVR Client Computer

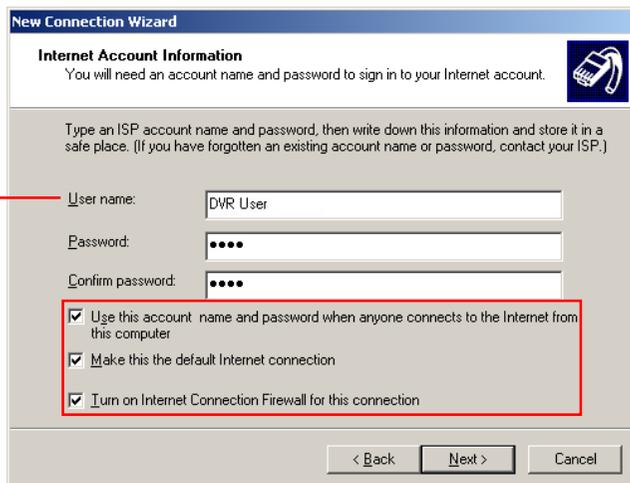
- 7) Write the phone number of the DVR Server computer you want to connect to, and click 'Next'.
(*Note: The 'Dial-up Connection' is the Point to Point Communication. So, the only one DVR Client can connect to the only one DVR Server by 'Dial-up Connection'.)



The screenshot shows the 'New Connection Wizard' dialog box with the title 'Phone Number to Dial'. Below the title, it asks 'What is your ISP's phone number?'. There is a text input field labeled 'Phone number:' containing the text '0123456789'. Below the input field, there is a note: 'You might need to include a "1" or the area code, or both. If you are not sure you need the extra numbers, dial the phone number on your telephone. If you hear a modem sound, the number dialed is correct.' At the bottom, there are three buttons: '< Back', 'Next >', and 'Cancel'.

- 8) Write user name and password registered in 'Incoming Connections' of the DVR Server computer.
Check the 'Use this account name and password when anyone connects to the Internet from this computer' (☑), 'Make this the default Internet connection' (☑) and 'Turn on Internet Connection Firewall for this connection' (☑). Click 'Next'.

<Notice>
In case of the OS of the DVR Server Computer is Windows98 or ME, You should type the User name registered in the DVR Server Computer in User name. (Refer to page30.)



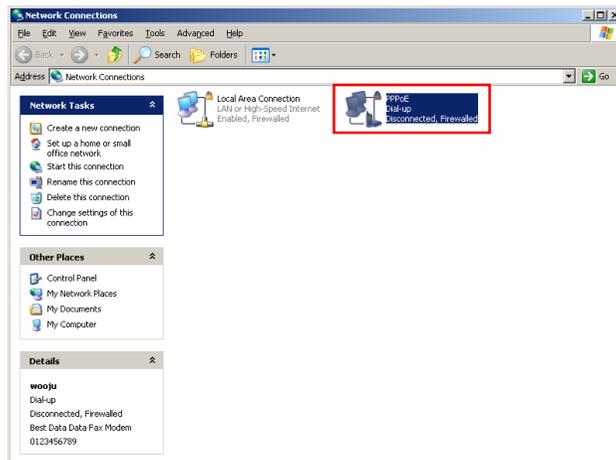
The screenshot shows the 'New Connection Wizard' dialog box with the title 'Internet Account Information'. Below the title, it says 'You will need an account name and password to sign in to your Internet account.' There are three text input fields: 'User name:' containing 'DVR User', 'Password:' containing four dots, and 'Confirm password:' containing four dots. Below the input fields, there are three checked checkboxes: 'Use this account name and password when anyone connects to the Internet from this computer', 'Make this the default Internet connection', and 'Turn on Internet Connection Firewall for this connection'. At the bottom, there are three buttons: '< Back', 'Next >', and 'Cancel'.

DVR Client Computer

9) Check the **'Add a shortcut to my desktop'** () , and click 'Next'.



10) Then you can confirm the **'Dial-up Connection'** icon is created with specified name in 'Network Connections' and on Windows Desktop.



DVR Client Computer

WindowsXP <How to Connect to DVR Server>

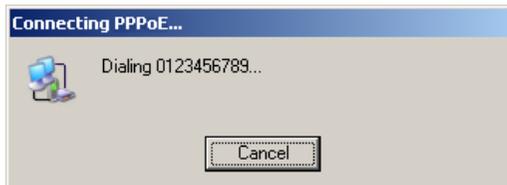
- 1) Double-click the created 'Dial-up Connection' , and write user name and password registered in 'Incoming Connections' of the DVR Server computer.

Click 'Dial'.



<Notice 1>
In case of the OS of the DVR Server Computer is Windows98 or ME, You should type the User name registered in the DVR Server Computer in User name. (Refer to page30.)

- 2) Connecting the DVR Server computer by **Dialing** to phone number of the DVR Server computer.



(*Note: According to the case of fault on 'Dial-up Connection' setup or condition of Communication line, error can be caused.)

- 3) If it connected, **Dial-up Connection icon at the Tray bar** of Window will be activated.



- 4) If connected successfully, turn on the DVR Client system and connect the DVR Server you want to connect to.

*In case of the OS of the DVR Server Computer is Windows2000 or XP, the Server Address is specified by [100.0.0.1].

<Notice 2>
In case of the OS of the DVR Server Computer is Windows98 or ME, the Server Address is not specified by [100.0.0.1]. Therefore you should find out the IP address of the DVR Server Computer you want to connect to. (Refer to page31.)

Notice 1: How to know the User name registered in the DVR Server Computer

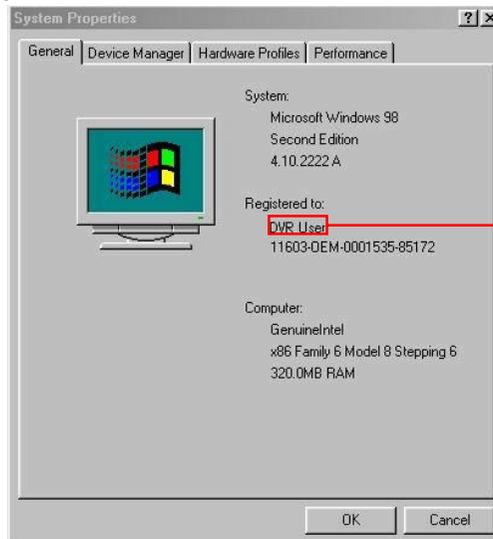
In case of the OS of the DVR Server Computer is Windows98 or ME.

You should type the User name registered in the DVR Server Computer in User name.

- 1) Among the menu shown by clicking the 'My Computer' icon on the Windows Desktop with the right button of mouse, click the 'Properties'.



- 2) 'System Properties' window is displayed as follows. Here, you can see the User name of this Computer.



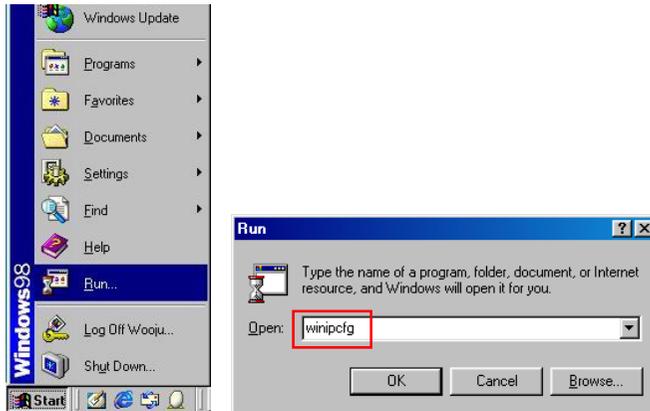
- 3) When you are dialing to the DVR Server Computer, should type this name in 'User name'.



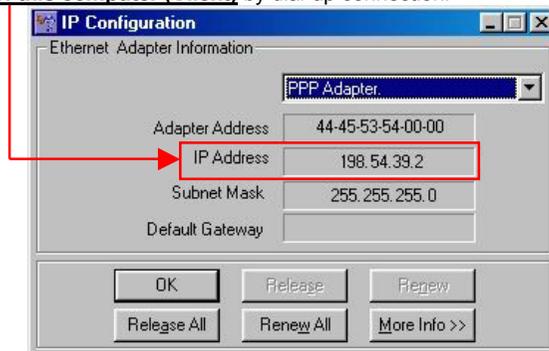
Notice 2: How to find out the IP address of the DVR Server Computer at the Client

In case of the OS of the DVR Server Computer is Windows98 or ME, the Server Address is not specified by [100.0.0.1]. Therefore you should find out the IP address of the DVR Server Computer you want to connect to.

- 1) **After the Dial-up Connection is connected successfully**, select the 'Start' -> 'Run', and type '**winipcfg**' on the window appeared.



- 2) Then '**IP Configuration**' window is appeared. Here, you can find out the **IP address assigned of this computer (Client)** by dial-up connection.



- 3) You can find out the IP address of the XDVR Server Computer connected to this computer **on the analogy of the IP address assigned of this computer (Client)**.
*** In PPPoE system, the end number of the IP address of Server is assigned by '1'(one) and the end number of the IP address of Client is assigned by '2'(two).**

Example ▶ IP address of the DVR Client Computer => **198.54.39.2**
▶ IP address of the DVR **Server** Computer => **198.54.39.1**

- 4) Therefore, when you turn on the DVR Client system and connect the DVR Server you want to connect to, **type this Server IP address found out in 'Server Address'**.

