PPPoE (Point to Point Protocol over Ethernet)

Setting Guide Manual

(Rev. 2004.02.09)
Setting for the DVR Server Computer
: <Incoming Connection Setting>

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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’ tap and check the ‘Communications’ component and click ‘Details’.
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’.
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.
This Setting is to accept incoming connection from DVR Client, so **apply only to the DVR Server Computer.**


![Network and Dial-up Connections](image1)

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

![Network Connection Wizard](image2)

Using this wizard you can create a connection to other computers and networks, enabling applications such as email, Web browsing, file sharing, and printing.

To continue, click ‘Next’.
3) Select the **Accept incoming connections** (⊕), and click ‘Next’.

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

5) Select the **Do not allow virtual private connections** (⊕), and click ‘Next’.
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** (61), and click ‘**Next**’.
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’.
10) Then you can confirm the ‘Incoming Connection’ icon is created in ‘Network and Dial-up Connection’.
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’.
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’.
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’**.
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’.
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**


2) Double-click the ‘Make New Connection’, and then the ‘Make New Connection’ window is displayed.
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.
6) Then you can confirm the 'Dial-up Connection' icon is created with specified name in 'Dial-up Networking' and on Windows Desktop.
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'.

![Dial-up Connection dialog box]

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.

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].

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**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 page 30.)

**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 page 31.)
DVR Client Computer

**Windows2000  <Dial-up Connection Setting>**

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'.

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**Welcome to the Network Connection Wizard**

Using this wizard you can create a connection to other computers and networks, enabling applications such as email, Web browsing, file sharing, and printing.

To continue, click 'Next'.

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**Network and Dial-up Connections**

Make New Connection

The Network Connection wizard helps you create a new connection so that your computer can have access to other computers and networks.

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**Network and Dial-up Connections**

Welcome to the Network Connection Wizard
3) Select the ‘Dial-up to private network (DVR)’, and 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) Select the ‘For all users (s)’, and click ‘Next’.
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'.
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’.

<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 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.)*
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'.

Click 'Next' to continue.
4) Select the ‘Set up my connection manually’ ( ), and click ‘Next’.

5) Select the ‘Connect using a dial-up modem’ ( ), and click ‘Next’.

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

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.)
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.
WindowsXP  <How to Connect to DVR Server>

1) Double-click the created ‘Dial-up Connection’ icon, and write user name and password registered in ‘Incoming Connections’ 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 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 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.)

<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'.

Connect PPPoe

Username: DVR User
Password: ****

IP Address: 192.168.0.89
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’.