



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I. PC Client S/W User's Manual


Put the accessories CD of the DVR in the CD driver of the computer. Copy the Client Software onto the computer and open it, then double-click the Client folder  .

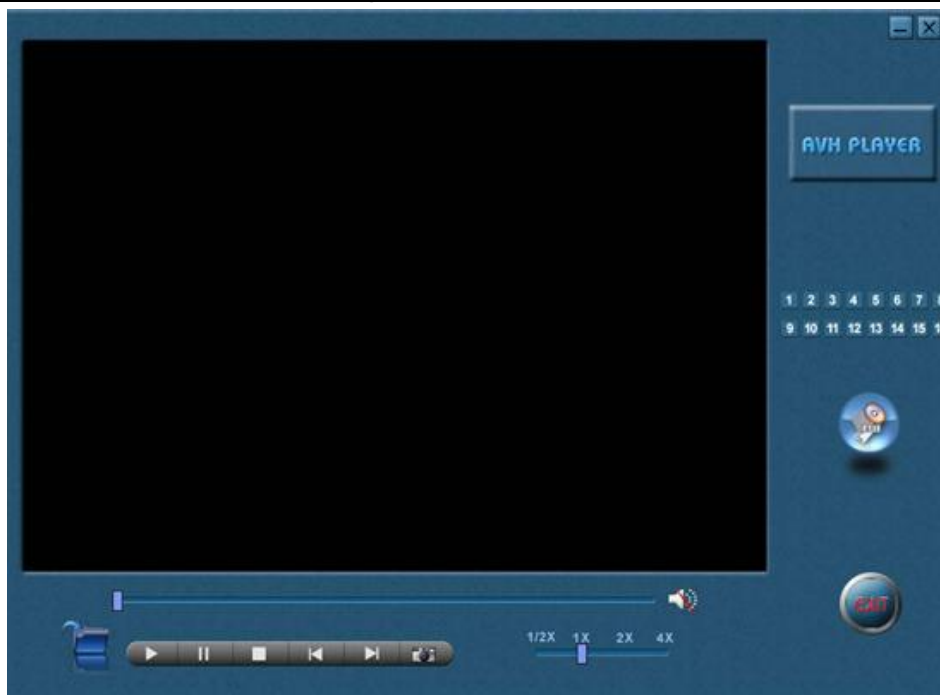
You could see the icon , please double-click it.















1. Introduction of .AVH Files Player

.AVH Files Player could play back-up files. Client's local video recording files, USB back-up files and CD files could be played by this player.

Click  to run this software:




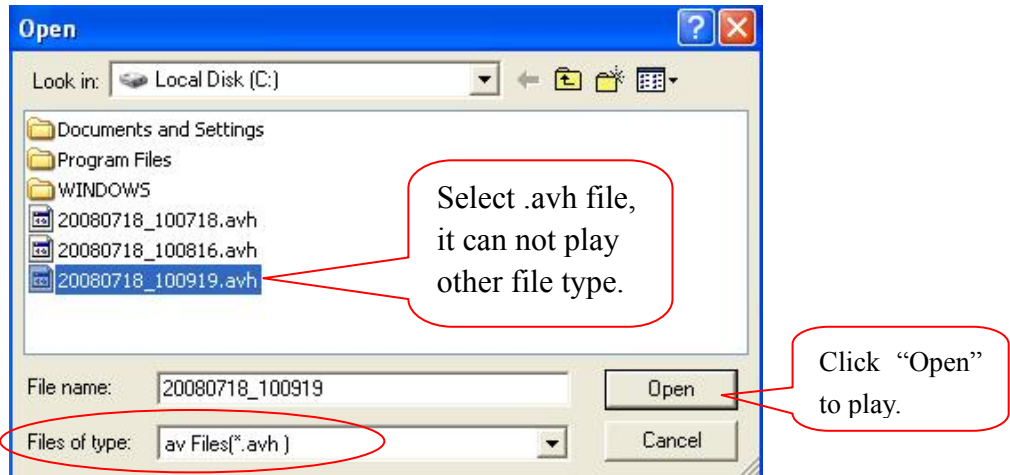
1.1 Introduction of Function Keys



Icon	Function	Icon	Function
	Open the files		Open/Close audio
	Play		Pause
	Stop		Frame fast backward during pause
	Frame play during pause		Screen capture
	Fast forward multiple		Select video playing channels
	Switch the file format from .AVH to .AVI		Exit

1.2 Specific Operation


(1) Look for the files and play

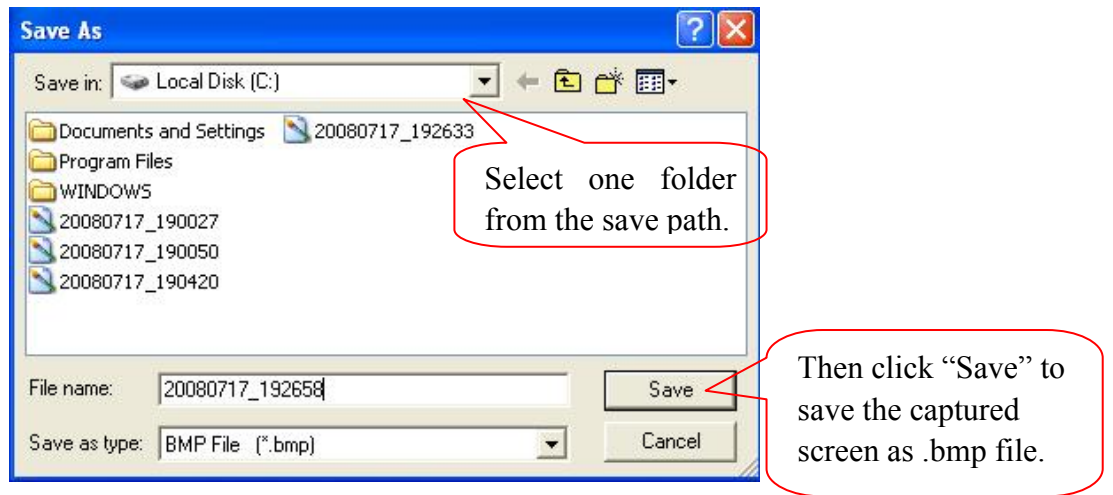
Click  , you can see the path of opening files:




If the file is being playing, the effective channel numbers will turn to bright, from  to .

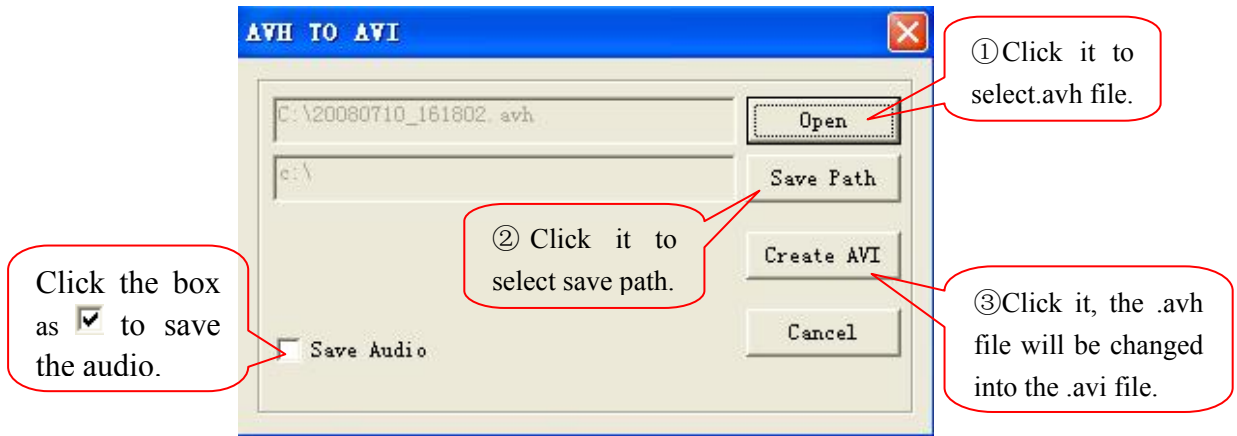
(2) Capture and save

Use  to capture screen and then save the screen image in another files. Click the icon above to capture the image, at the same time, the following dialog box pop up,



(3) Switchover the file format

Click , switchover the file format from .AVH to .AVI



(4) Exit



Click to exit.

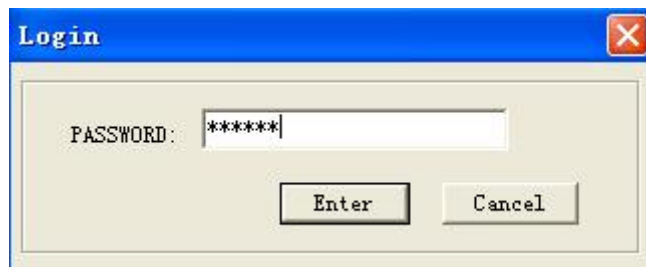
2. Introduction of DVR Network Remote Client

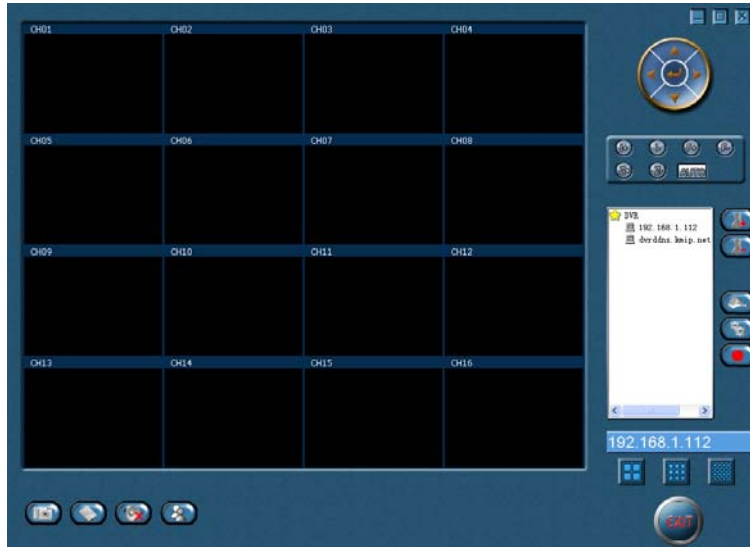
DVR Network Remote Client is used to watch the live recording, operate DVR and control PTZ and network video recording.





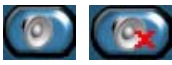


















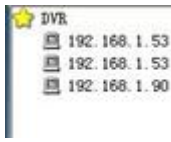
Click to run this software.

If a user security code or password was set before, you should type it in. (admin password is 000000, normal user password is 111111)





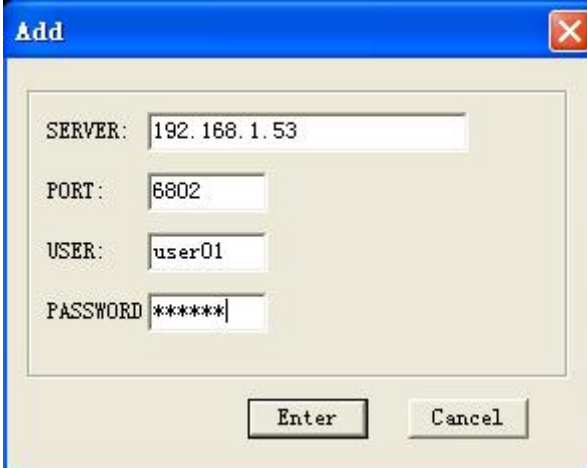
2.1 Introduction of Function Keys

Icon	Function	Icon	Function
	Screen capture		Disk information
	Open/Close audio		Password manage
	Live record / Stop		Delete DVR IP
	Connect/ Disconnect DVR		Set user information and net parameter
	Exit		Add DVR IP (16 IP could be added at one time)
	Quad-picture display		9-picture display
	16-picture display		Control PTZ to rotate automatically
	Control the lens to enlarge the aperture		Control the lens to reduce the aperture
	Control the lens to prolong the focus		Control the lens to shorten the focus
	Control the lens to withdraw the establishing shot and enlarge the image		Control the lens to reduce the image and expand the vision
	Control PTZ to rotate upward/ downward/ leftward/ rightward and stop auto rotation		Display the DVR name. Click the names to switch the previewing video among DVRs.

2.2 Specific Operation


(1) Add IP of DVR

Click  to add IP of DVR.





Type the IP/ domain name (e.g. 192.168.1.53 or dvrddns.kmip.net) and port (e.g. 6802) of the DVR which need added. Then type the network user's name (default user01) and the password (default 000000 or 111111) of the DVR. If the password is a super one, the playing speed of the video is faster. At last, click "Enter", the IP could be added .

(2) Delete the IP

If you want to delete the IP, click it to select, then click , the IP could be deleted. **Note:** After deleting, all IP are disconnected.

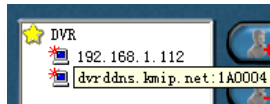
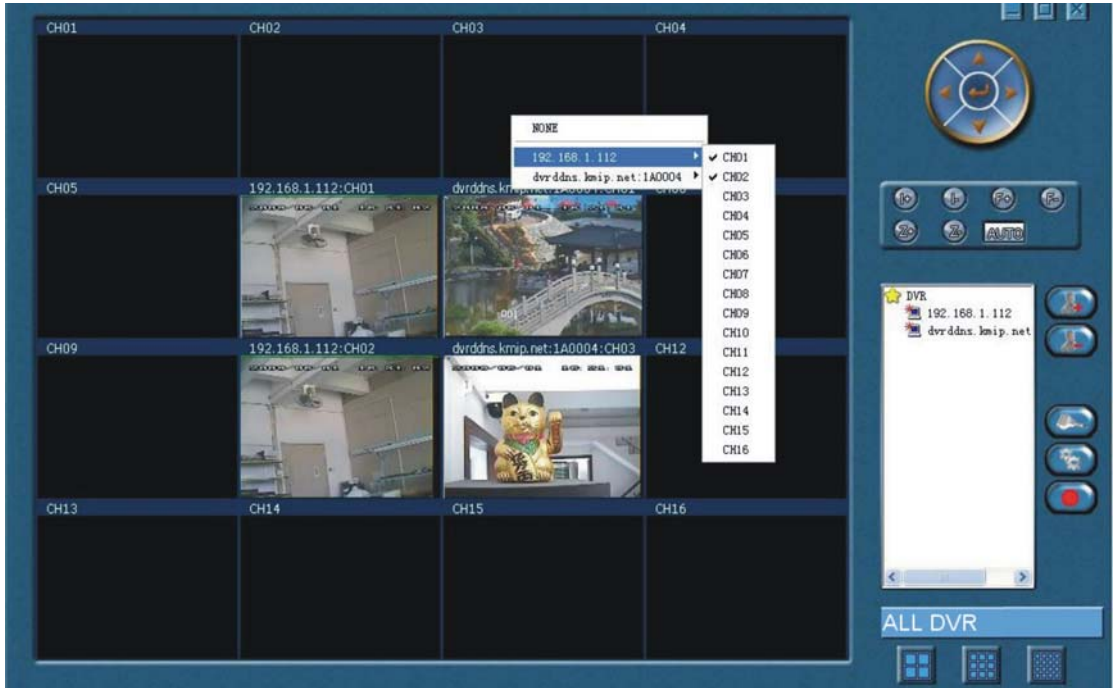
(3) Connect network DVR and preview

① Select one newly added IP to click, then click , the DVR could be connected. You can see the icon  appearing. You can preview the live image.

Click  to disconnect.

Note: If connect error, please check the IP is right or not and the netting twine is connected well or not.


② You can connect more than one DVR to the Client at the same time. Click "★ DVR", all added DVR can be selected to connect at the same time. You can preview 16 channels which can be selected and ranged arbitrarily at a time, as the picture below.



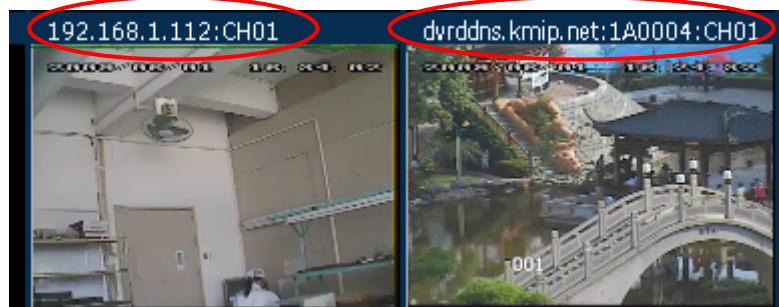
- We can see from here that two DVR are connected in this operation. One is “192.168.1.112” (IP), the other is “dvrddns.kmip.net” (domain name)

- **Select preview channels**


Move the cursor to a channel, right-click the mouse to pop up DVR names (IP or

domain name), e.g. . Move the cursor onto one DVR name to pop up channel numbers, e.g. in the picture above, you can see CH01 to CH16 on the right of DVR “192.168.1.112”. Left-click to select the channel, and the image display at once.

The DVR name and channel NO. display on the top of the image.



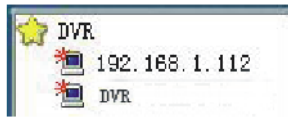
(4) Set

Click  to set “user information”, “net parameter”, “Ptz Set”, “Cam Set” and “Record Set” for the newly added IP.

a. Set user information. Click ‘User Info’



Type the IP/ domain name (e.g. dvrddns.kmip.net) and port (e.g. 6802) of the DVR which need setting. Then type the network user’s name (default user01) and the password (default 000000 or 111111) of the DVR. “Show Name” shows the IP name, you could change it here as you like. Click “Enter”, the setting is finished.



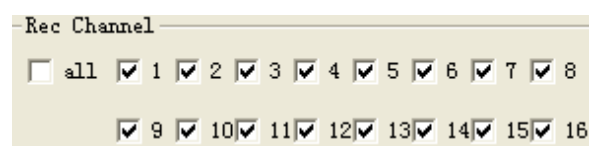

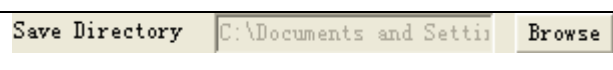
The new name will be seen here:

b. Set net parameter. Click “net parameter”



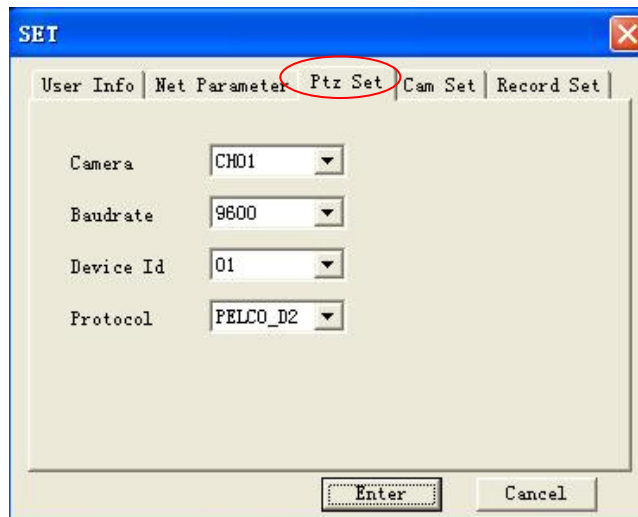
Introduction of the icons:

Digital Video Recorder Client and Network Manual V1.1

Icon	Function
 <p>Rec Channel <input type="checkbox"/> all <input checked="" type="checkbox"/> 1 <input checked="" type="checkbox"/> 2 <input checked="" type="checkbox"/> 3 <input checked="" type="checkbox"/> 4 <input checked="" type="checkbox"/> 5 <input checked="" type="checkbox"/> 6 <input checked="" type="checkbox"/> 7 <input checked="" type="checkbox"/> 8 <input checked="" type="checkbox"/> 9 <input checked="" type="checkbox"/> 10 <input checked="" type="checkbox"/> 11 <input checked="" type="checkbox"/> 12 <input checked="" type="checkbox"/> 13 <input checked="" type="checkbox"/> 14 <input checked="" type="checkbox"/> 15 <input checked="" type="checkbox"/> 16</p>	Open/close a certain channel of live network video recording
 <p>Framerate 16 Quality high</p>	Set the frame rate/ image quality of live browse Frame rate:3/8/16 Image quality: low/ medium/ high This function is only for super password logging in.
 <p>Save Directory C:\Documents and Settings Browse</p>	Click “Browse” to choose the save path of network video

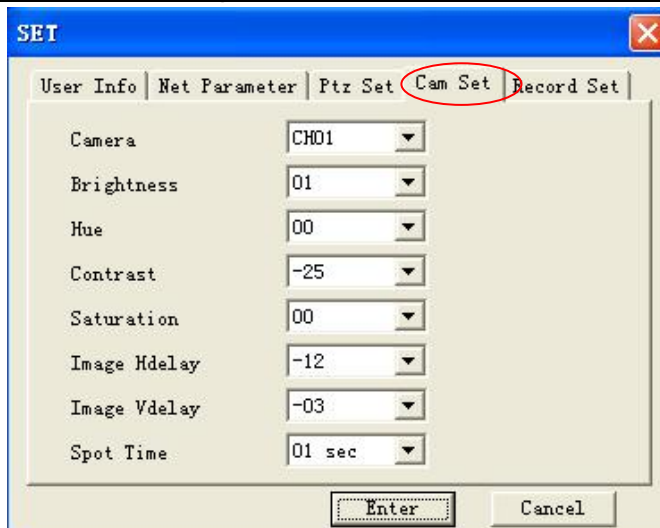
Click Save Audio and Auto Connect to save audio and connect the network automatically. After setting, click “Enter” to save.

c. Set PTZ. Click “Ptz Set”



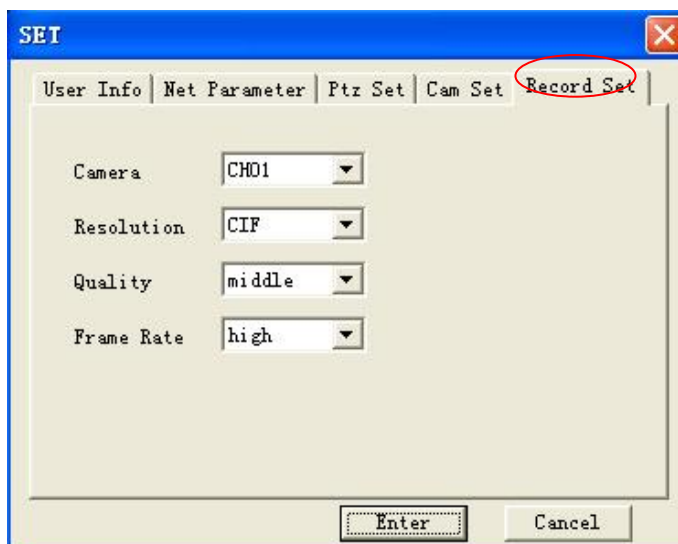
You could set baudrate, device ID and protocol of each camera.

d. Set camera. Click “Cam Set”





As the above figure showed, you could set these items of each camera.

e. Set record. Click “Record Set”




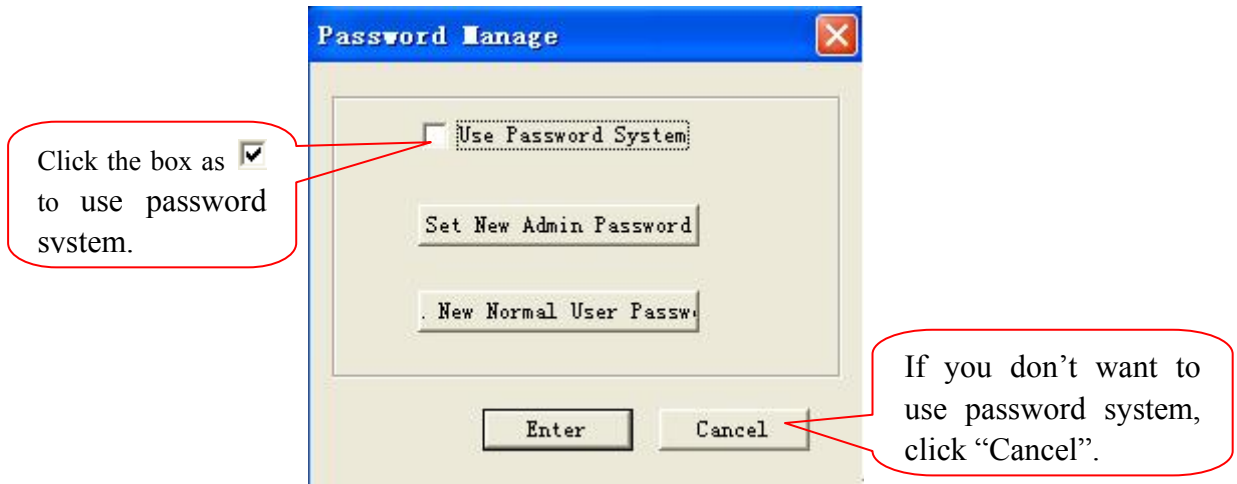
As the above figure showed, you could set these record parameters of each camera.

(5) Record

Under the condition of connecting the DVR, you could choose channels through setting in “Net Parameter”, then click  to record locale image through network. Click  to stop recording.

(6) Password manage

Click  to manage the password of PC Client.



- If you have used password system, you must type in the password to log in PC Client next time. Admin password could do all operation, normal user password just could watch the locale video.
- Change the admin password, please click “Set New Admin Password”



Input the new password,

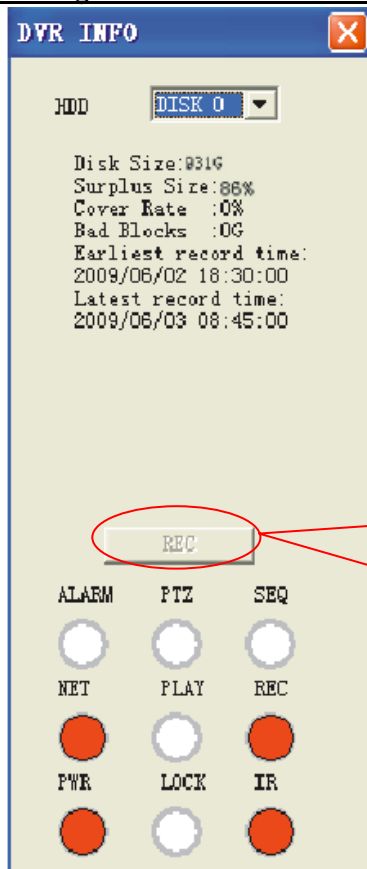


Click “Enter”, the new password will be OK.

The way of changing the normal user password is the same with changing the administrator password. You must input the administrator password before changing the normal user password.

(7) View DVR information

Click  to view the hard disk information and working mode of the DVR.



Introduction of the indicator lights in the above picture:


(Display the current working mode)

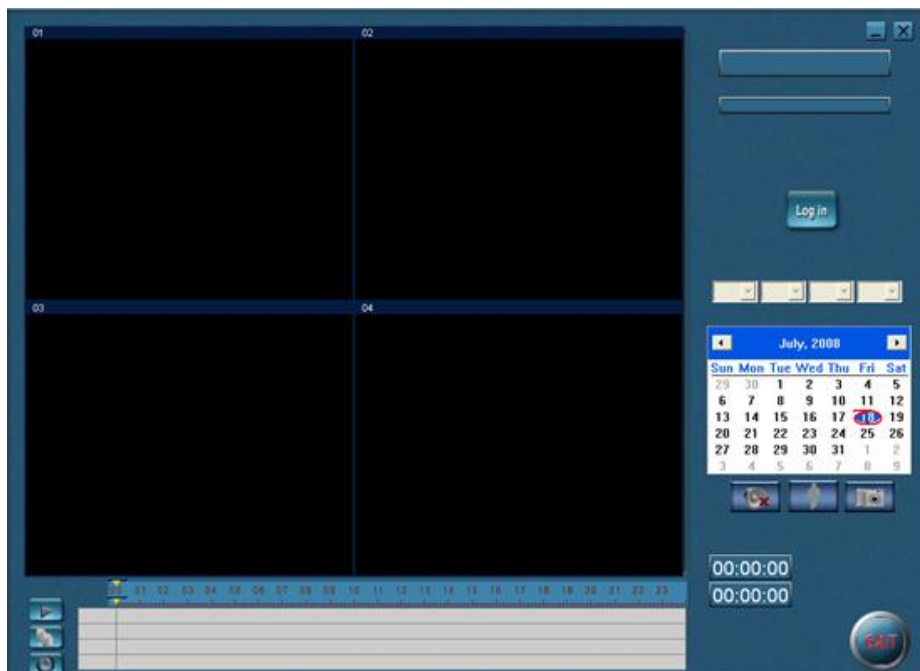
Red denotes this function is turned on, white denotes this function is not in use.

- ALARM: external alarm indicator light;
- PTZ: PTZ operation indicator light;
- SEQ: auto switching indicator light;
- NET: network connection indicator light;
- PLAY: playback indicator light;
- REC: record indicator light;
- PWR: power indicator light;
- LOCK: panel lock indicator light;
- IR: remote control available indicator light.

3. Introduction of DVR Network Files Player


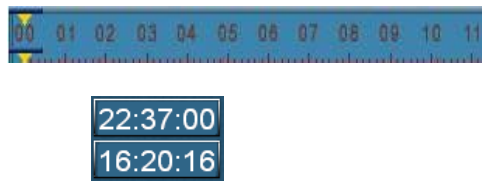
DVR Network Files Player could play DVR HDD files remotely through network.

Click  to run this software:



3.1 Introduction of Function Keys

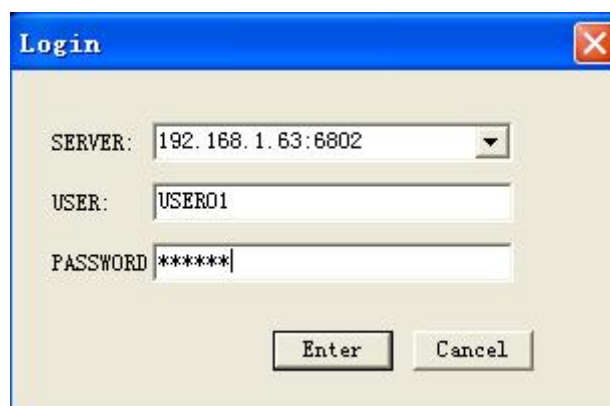
Icon	Function	Icon	Function
	Play/ Stop		Network backup
	Time point play		Open audio
	Fast play		Close audio
	Normal play		Screen capture
	Log in		Log out
	Display the IP that connecting to DVR E.g. 192.168.1.86		
	Display the beginning and ending time of the DVR HDD file. That is the effective playing time. E.g. 16/07/2008 18:18 - 17/07/2008 09:00		
	Network playing channel		

	<p>Date selecting</p>
	<p>Select the effective time. The up line is the ending time of backup, the down line is the beginning time of backup or playing.</p>

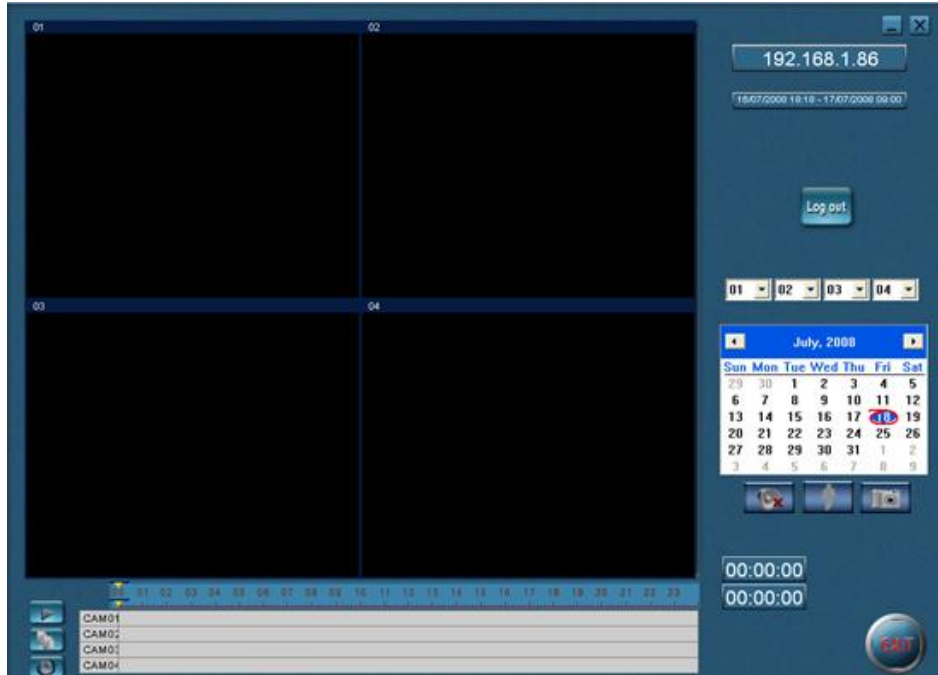
3.2 Specific Operation

(1) Log in

Click  to log in.



Type in the server IP and password. Then you could see the following interface.



(2) Playing DVR HDD file.

According to time displaying, select the right



date and time by and

Then select the right playing channel by

Click to play.

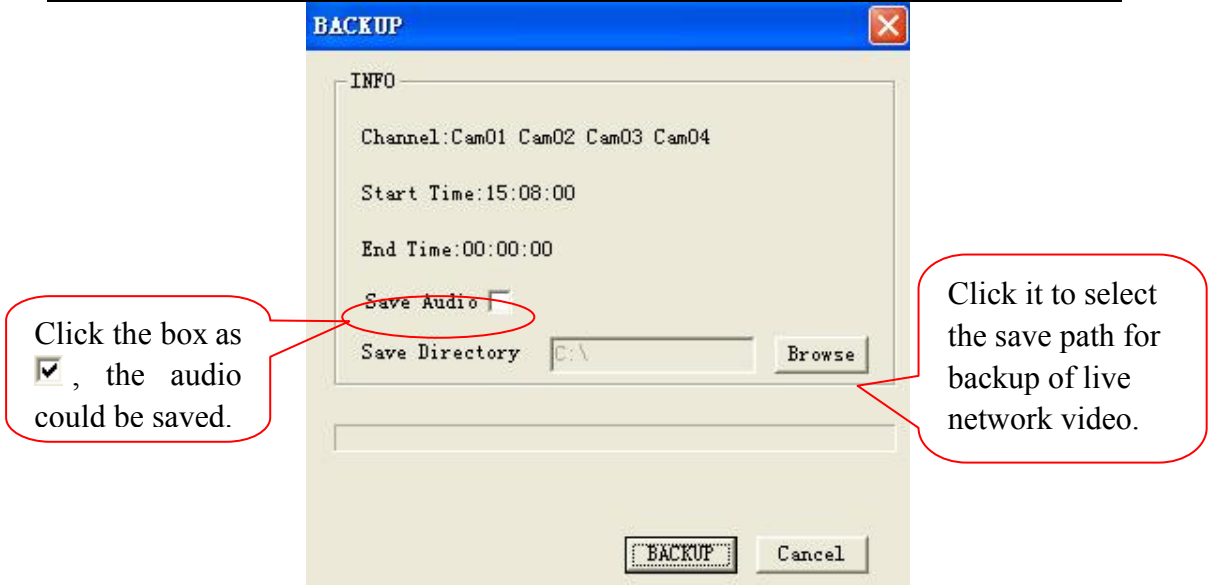
(3) Backup

Click to backup through network.

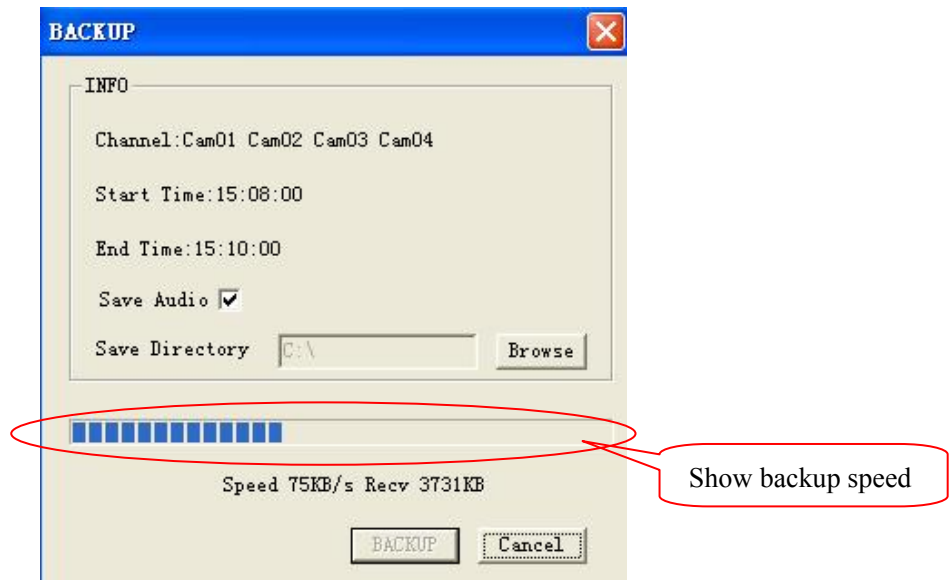
Select the beginning and ending time of backup that you need by

, then choose the backup channel

by , now please click :




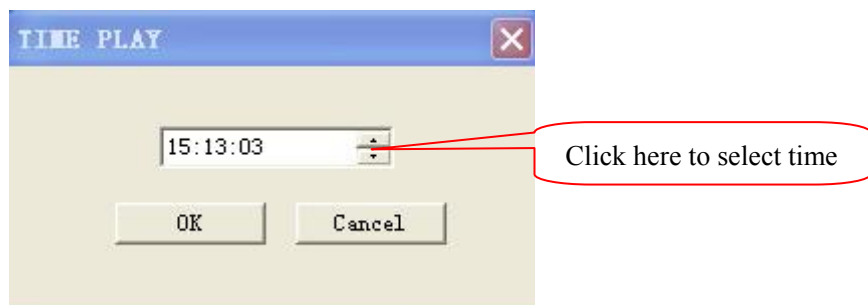
Click "BACKUP" :



The above dialog box disappears immediately as soon as backup is finished. Users could find the backup file in the saving path, and then play it by .avh file player.

(4) Time play

Click , choose the time to play.



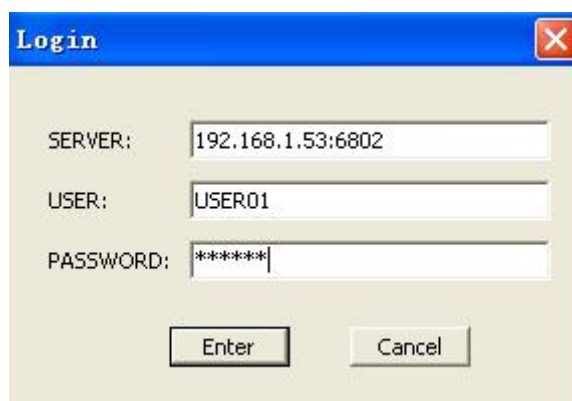
4. Introduction of DVR Network Assistant Tools

Network Assistant Tools is used to upgrade software and change channel titles of non-English letters.

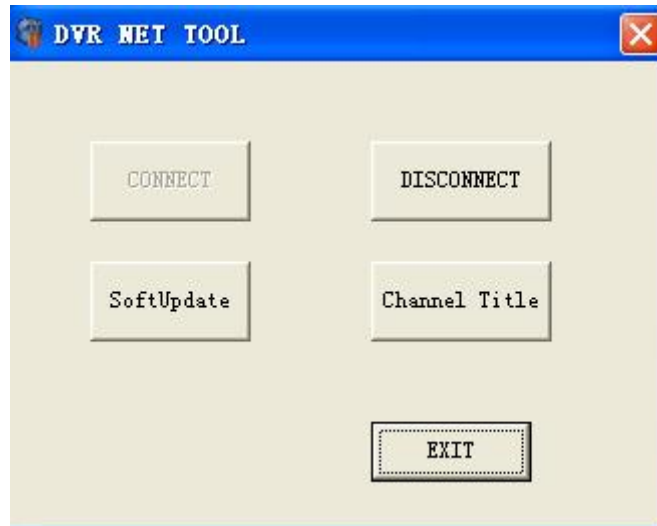
A. Click  to run Network Assistant Tools.



B. Click “CONNECT” to log in

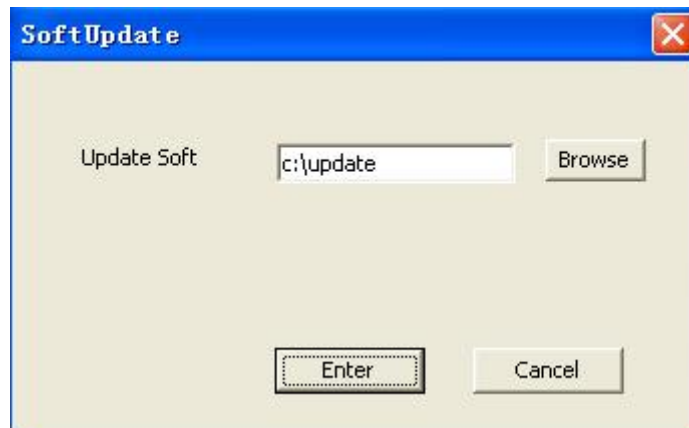


Type in the IP and the password, then click “Enter”, you could see:



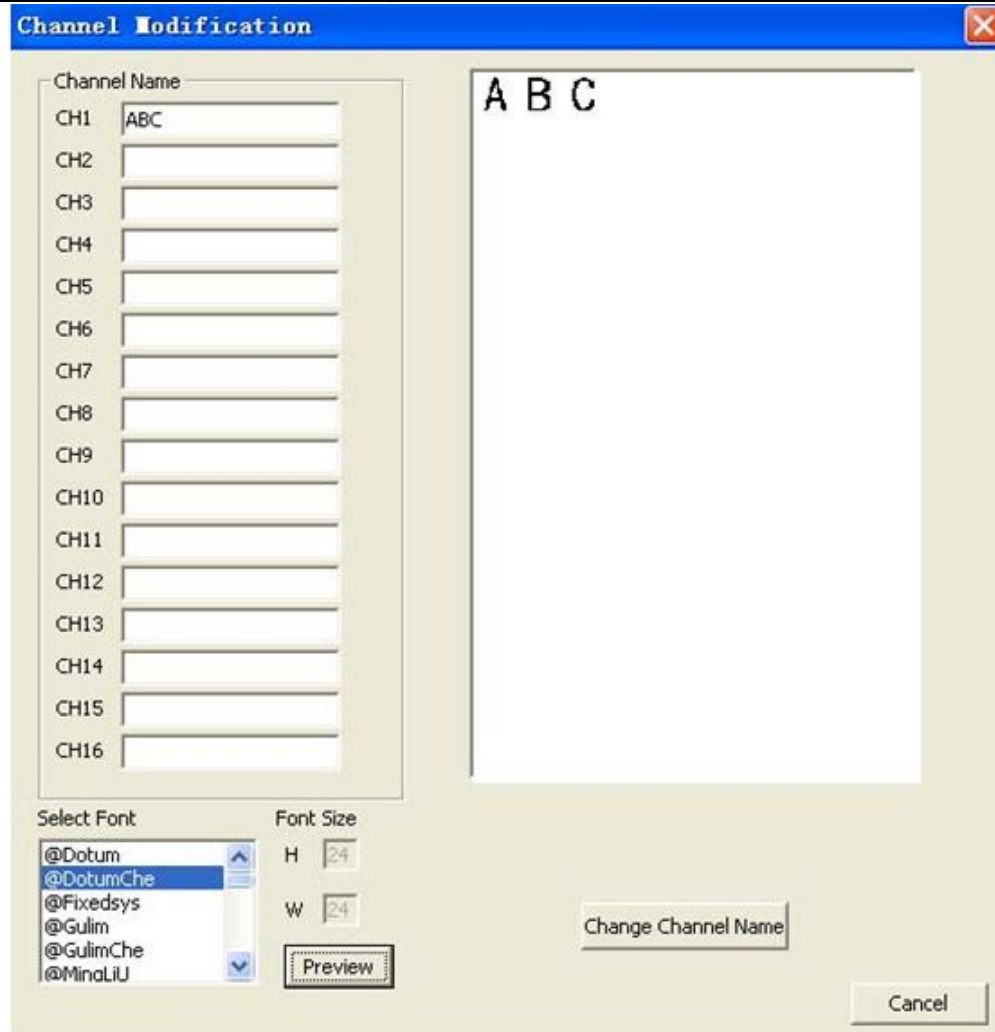
Now you could update software and channel titles.

- a. Click "Soft Update"



Click "browse" to select the right path for soft update. The item must be ..\..\update, that is to say the last grade must be "update", or the software can't recognize the file.

- b. Update the channel title of DVR through network. Click "Channel Title":



If the channel title consist of English letters, you needn't update it here. You can change it in the DVR directly. Here it is fit for Chinese title. Choose the channel that need changed from the left channels, then type in the new title and select font. Click "Preview", you could preview the new title from the right part. After setting, click "Change Channel Name", it will be finished.

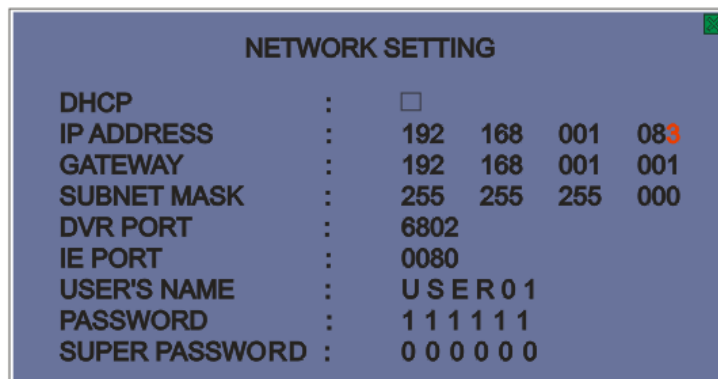
Addition: Update the same title at "Channel Set" of DVR, then restart the DVR, you could see the new title in the video.

II. Network Settings in DVR Menu

This step is set in the DVR. In live preview mode, enter the main menu by remote control or the “MENU” key on the DVR panel.



Select the icon “NETWORK” by “up/down/left/right” keys, then enter network setting menu by “enter” key.

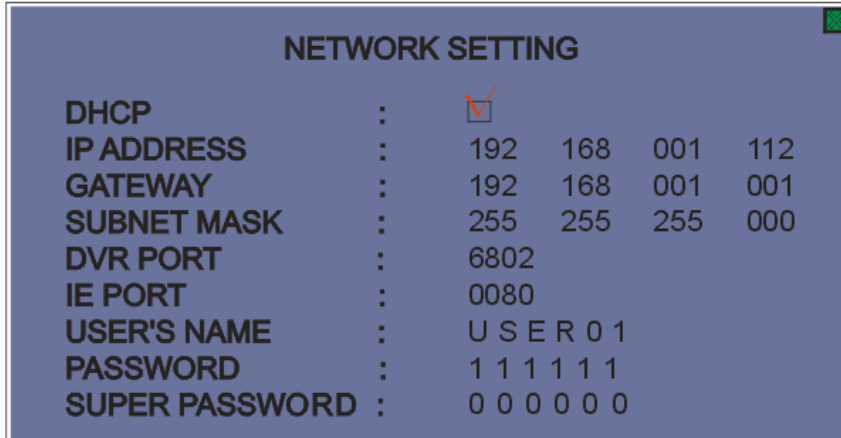


- A. IP address: You’d better set the fourth date from 10 to 99, or it will collide with the router DHCP. (Note: The IP in DVR menu “network setting” must be the same as the IP in Router.)
- B. Gateway and subnet mask
- C. DVR port: Transfer date stream, such as video and audio frequency.
- D. IE port: Download ActiveX control. (Default 0080)
- E. User name: Set user name of telnet. (Default user01)
- F. Password: Set password of telnet. It supports 4 users to log in at the same time. (Default 111111)
- G. Super password: Set password of telnet. It only supports one user to log in at one time. It owns the most purview and could do remote operation. (Default 000000)
Logging in with the super password, the connection by logging in of common password will be shut off automatically.

III. DDNS Specification

1. Setting up DHCP

Firstly, please confirm that the DVR is in working mode and HDD & reticle is connected well and network is OK. Then enter DVR network setting menu.



- A. Select DHCP by clicking \checkmark in \square . The DVR will get an IP from the Router automatically, e.g. 192.168.1.112; then set DVR port, IE port, User name and password. Then exit from the menu and return to live mode.
- B. Wait for 20 seconds or so. Then press “INFO” key on the front panel or remote controller. You could see “dvrddns.kmip.net:*A**** @” in “network information”. “*A****” is the only code, it can’t be changed. “@” shows network connecting well.



Note: If you didn't select DHCP, you couldn't see “dvrddns.kmip.net:*A**** @” in INFO menu.

2. Setting up Server IP Address and Port in the Router

2.1 Enter the Router

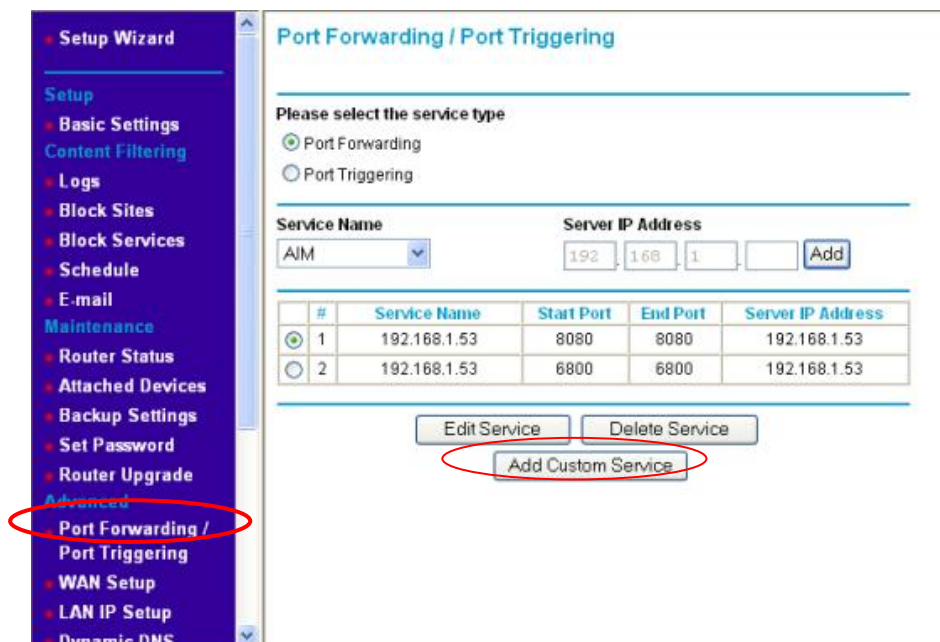
Type <http://192.168.1.1> in the Address field of Internet Explorer. Then type the default user name (admin) and password (password) in the following pop-up dialog box.



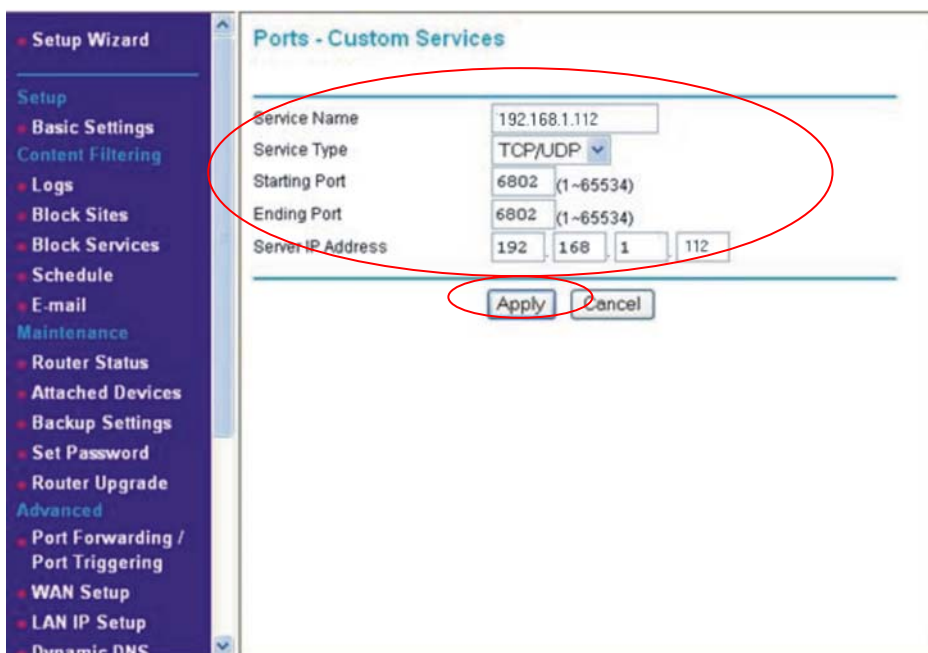
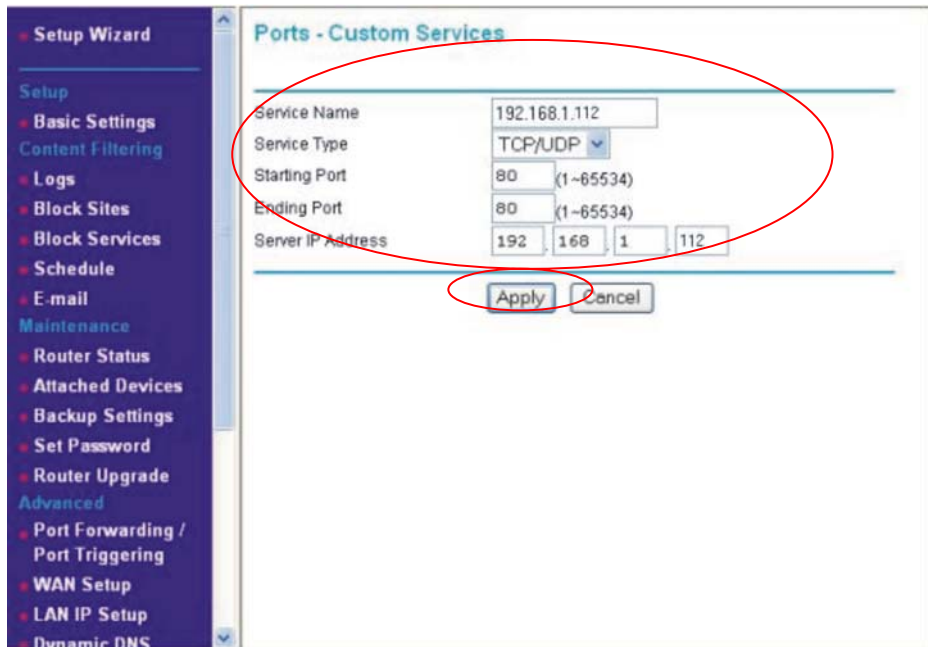
Click “OK”, enter the interface of Router setting.

2.2 Setting up Server IP Address and Port

Click **Port Forwarding** on the left list.

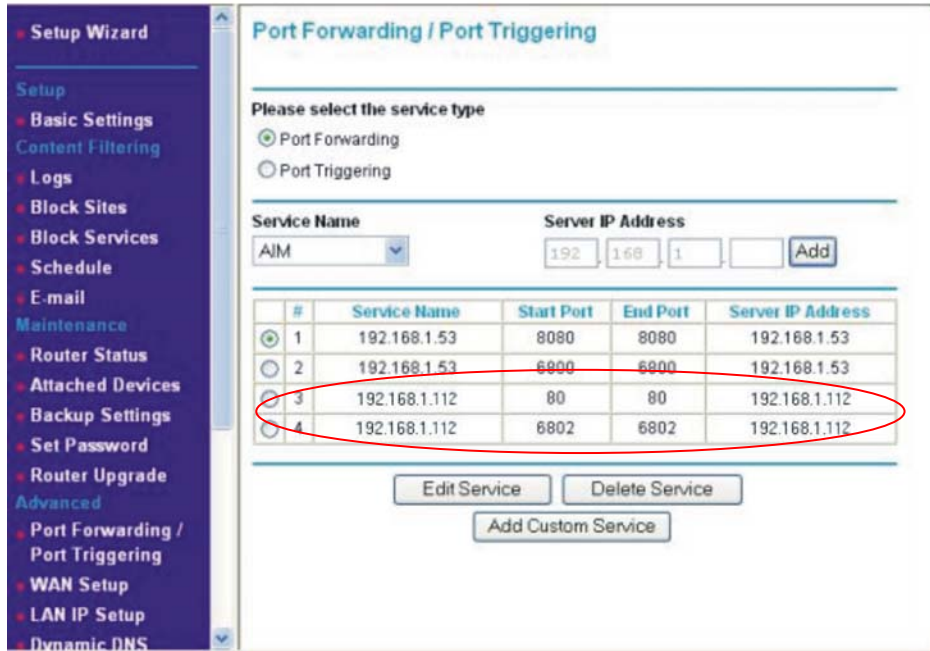


Click “Add Custom Service” in the figure above to pop up a new figure, you could set two groups of Service IP address and Port (Twice) as follows. One port is “80”, the other one is “6802”.



Type the IP in the **Server IP Address**, e.g.192.168.1.112. Type the beginning port number in the **Starting Port** box. Type the same port number in the **Ending Port** box, e.g. 6802. * Note:They must be the same as the data in DVR “Network Setting” menu.

Then click “Apply”, you could see:



Note: The Ports must be different from the previous setting in the router. After finishing all settings, please check the information (include IP, port, IE port etc.) in the DVR network menu which is the same with the router's. Then you could operate the DVR through wide area network (WAN).

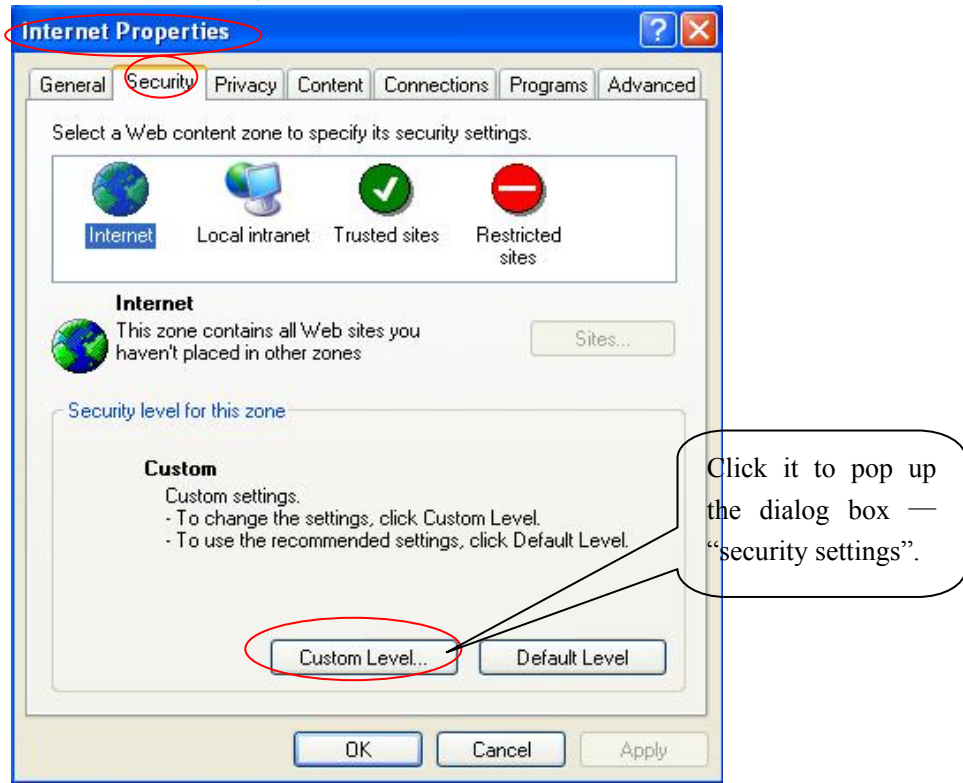
3. Operating DVR Through IE

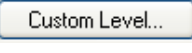
You could operate DVR remotely through Internet Explorer. Please do the following steps before using IE.


3.1 Amending the Security Settings of IE

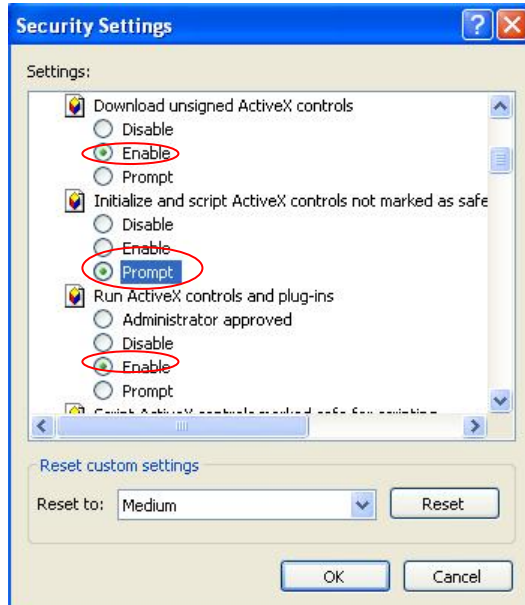
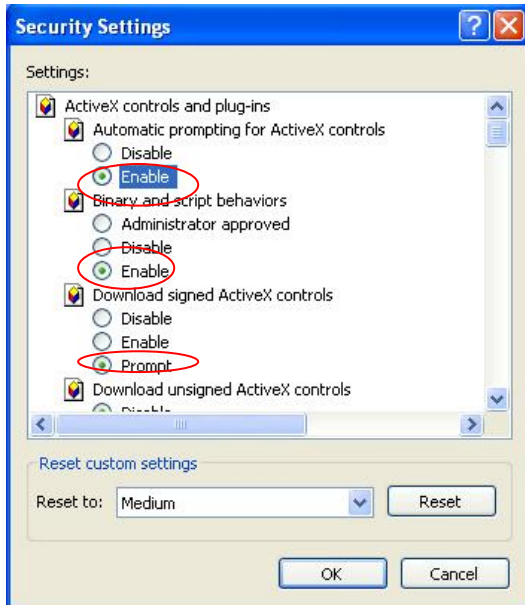


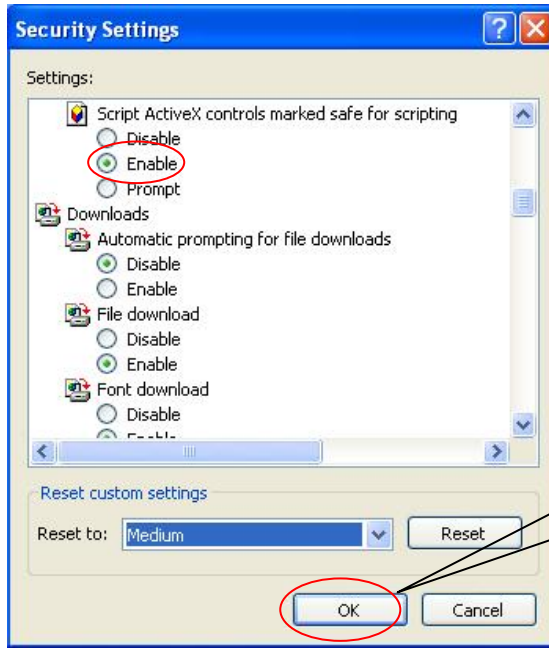
Right-click the icon, then click "Properties"---"Security" in the pop up dialog box. You could see the dialog box below.



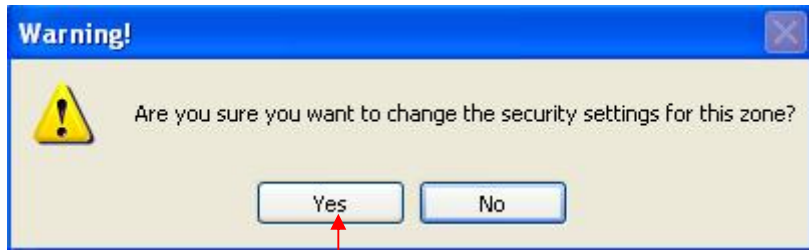
Click  to pop up the dialog box — “security settings”.

- Follow the setting examples in the dialog boxes below to set the items (7 altogether) that under  ActiveX controls and plug-ins as Enable or Prompt.





Click it to pop up the dialog box — “Warning!” below.



Click “Yes”, the setting is OK.

※ **Vista PC**

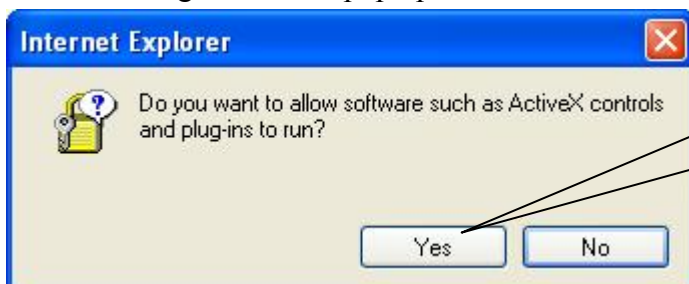
If your computer is Vista system, after you finish the above steps, you still need to **close UAC (User Account Control)** to make ActiveX controls run normally.

3.2 Installing & Removing ActiveX Controls

(1) Installing ActiveX controls

If you didn't install ActiveX controls in your computer, the system will prompt you to install it automatically when you type the IP/domain name and IE port in the address field of IE explorer, e.g. <http://dvrrdns.kmip.net>

The dialog box below pop up:




Click it to pop up the dialog box below.



You could browse through IE after ActiveX controls has been installed automatically.

(2) Removing ActiveX controls

If you want to change the DVR which is connected to IE or ActiveX controls updated, you need to remove the former ActiveX controls in your PC.

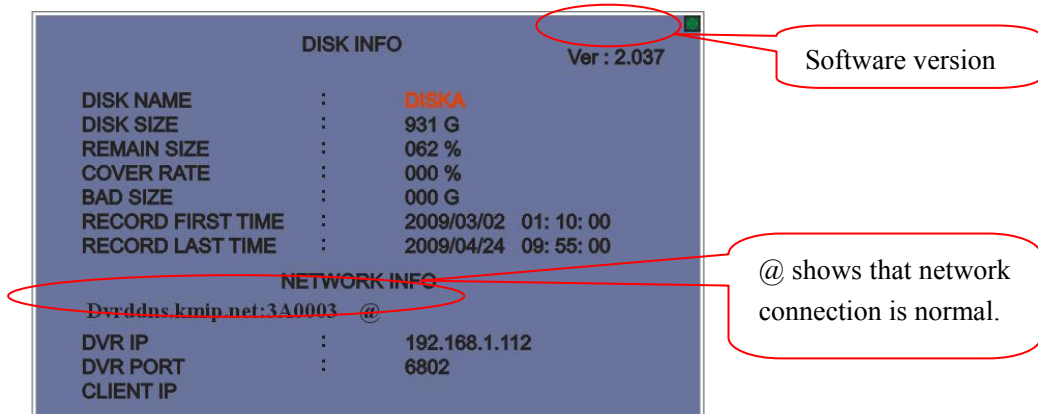
Step 1 Please find the remove file  remove.bat in the Client software folder which is in the attached CD of the DVR. Then double-click it, it will remove ActiveX controls automatically.

Step 2 Right-click the IE icon , then click “Properties” in the pop up dialog box. You can see a dialog box “Internet Properties-General”. Then delete all cookies, files and history record in “Temporary Internet Files”. Finish the two steps, ActiveX controls can be removed fully.

3.3 Browsing and Operating DVR Through WAN (IE)

A. Preparation

Finish all settings (include IP, port, IE port etc.) in the DVR network menu and router. Then Wait for 20 seconds or so. Then press “INFO” key on the front panel or remote controller. The following menu pop up.



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You could see “dvrddns.kmip.net:*A**** @” in “network information”. “*A****” is the only code, it can’t be changed. “@” shows network connecting well.

Note: 1. If you didn’t select DHCP, you couldn’t see “dvrddns.kmip.net:*A**** @” in INFO menu.

2. The software version is v2.037 or more advanced, or it doesn’t support this function.

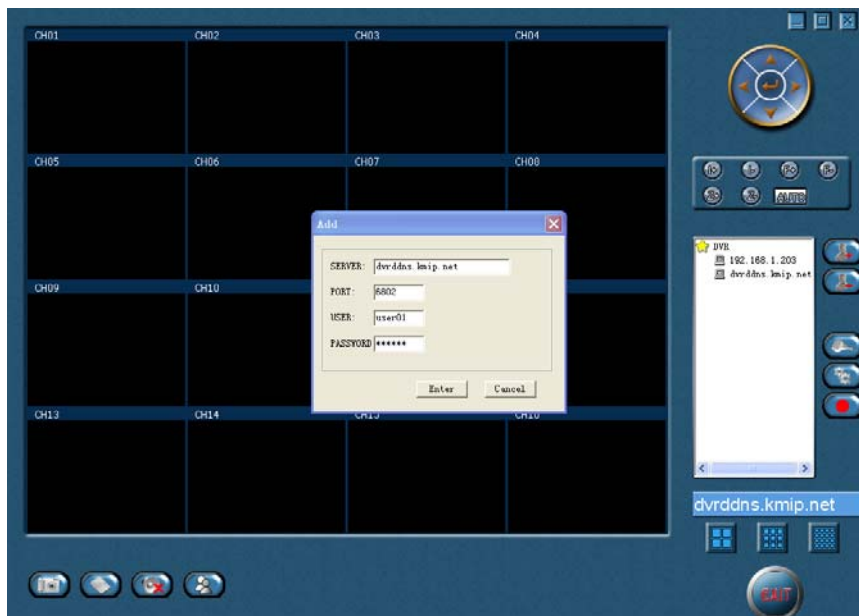
B. Startup IE.

Type the domain name <http://dvrddns.kmip.net> in the address bar and wait for a moment.

You could see the following interface:



Click the second icon to enter Network Remote Client.



The operation is the same with PC Client Software.

Note: 1. Please select DHCP in network setup menu.

2. You’d better modify the default user name and password.