Quick Start Guide

Version 1.0

Before You Begin

1. Introduction

1.1 Safety Information

- Before setting up the DVR, please read all the documents in your package carefully.

- To prevent fire and shock hazard, never expose the DVR to rain or moisture.

- If the power supply is broken, do not try to fix it by yourself. Contact a qualified service technician or your retailer.

- Before using the product, make sure all cables are correctly connected and the power cables are not damaged. If you detect any damage, contact your dealer immediately

- The DVR should be operated only by the type of power source indicated on the label. If you are not sure the type of power supplied to your home or office, consult your dealer or the local power company

1.2 Contents of the box

1. DVR device
2. Quick Start Guide
3. CD
4. Remote Control
5. Power and Power cord
6. Mouse
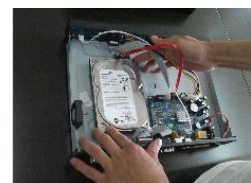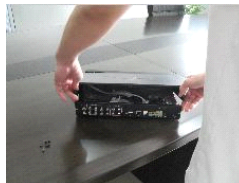7. The power cable and the data cable of hard disk

1.3 Hard disk installation

Before the first use，please install the hard disk.

Notice:

Before recorded, the HDD should be formatted by the DVR system, because standard PC formatting is not compatible. The format process takes several minutes.

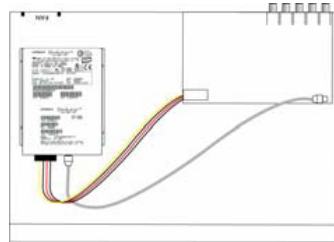For the first use, please install the hard disk

①Remove the screws on both sides of shell ②extracted from the next cover up ③connect hard disk and mother board
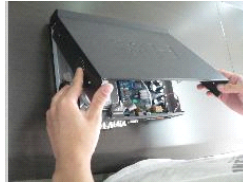
④fix the screw of hard disk　　　⑤close cover　　　⑥install the screws on both sides of shell

1.4 Mouse Control

You can use a mouse to operate the DVR as well. The mouse operates just like a mouse on a Windows PC. Please connect the mouse to one of the USB connectors in the back panel and DVR supports the mouse with hot-plug

1	Left key single click	To any function menu icon click the mouse left key into the menu
		To run the control point out operation
		Change again select frame or motion detection piece mode
		Click the assemble frame popping to pull down the list
		In the input frame, can select digit, character, lowercase, block letter, left click mouse on the keyboard of character input, that's. ← say move back, ＿ say blank，Shift say switch case .

2	Right click mouse	Right click mouse, popping the shortcut menu, as follows;
		![Shortcut menu] Main Menu / Wizard / Multi Channel / Recording Control / Playback & Backup / PTZ Control / Alarm Control / Display Setup / Hide Toolbar
		Through the menu can be switching preview screen window mode, start replays, PTZ control. Four pictures playback mode, the point of the right mouse button, Can in a single picture, four pictures, eight pictures (8 road playback), 16 screen (16 channels playback), twenty-four pictures, thirty-two picture, broadcast control switch view show or hide broadcast control bar.
3	Double click left button	To run the ActiveX Control ActiveX special operations. For example, double click the certain item of record listed file, then the system will playback the segment record video.
4	Dragging the mouse	Depress the left key and dragging the mouse, banding select Motion detection area, depress right key of mouse and Dragging, cancel the banding select area.
		Dragging playback ProgressBar back and forth to dolly moves, to achieve the playback position adjustment. Dragging the audio and video regulation parameter bar dolly moves, to achieve the parameter adjustment.

Getting Started and Main Operating

2. Basic operations

2.1 Power On

Boot-strap

If【POWER】pilot lamp off, please follow the operation step by step:

First step: if the power does not plug into, please plug into the power, then the DVR begin to start, by now, if the DVR still inactive, to enter the next step;

Second step: turn on the power supply of the DVR at the back panel, DVR begins to start.

If【POWER】pilot lamp to offer RED, press the 【POWER】key, DVR begins to

start.

The video output mode of DVR 's the default setting is multi picture channel mode after starting the DVR , if the time of start the DVR is in the Timing Recording Setting, the DVR will automatically to start the Timing Recording function, the corresponding channel's recording pilot lamp will be light, the DVR is normal operation.

Button	Description	Button	Description
	Main Menu		PTZ control
	Wizard language		Alarm control
	Multi channel		Display setup
	Recording Control		Exit
	Playback Backup		

If before starting, the system not to install hard disk, into the system, will tip: system didn't detect any hard disk connection!

2.2 Shutdown

◆ There are two safety mode for Shutdown

Enter【Exit】,select【Power Down】.
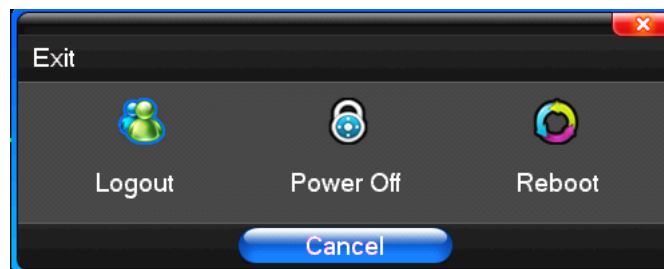
◆ Abnormal shutdown

Through the rear panel to shutdown

During the DVR running, directly to turn off the power through the rear panel power switch, please avoid the operating as much as possible to do it. (especially while the DVR recording).

Pull up the power cable of DVR directly.

While the DVR running, directly to pull up the power cable of DVR, please avoid as much as possible to do it. (especially while the DVR recording).

Caution: In some areas, the power supply is irregular, which will cause the DVR working abnormally, the DVR will be damaged in serious. In this surroundings, suggest

select the stabilized voltage supply.

2.3 Login System

In preview mode you can right click the mouse to get a shortcut menu.
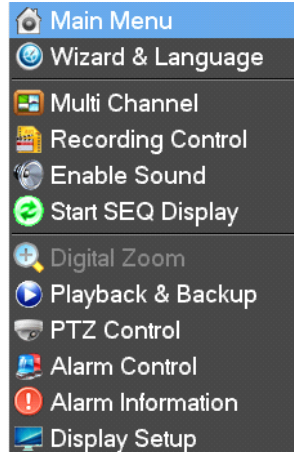
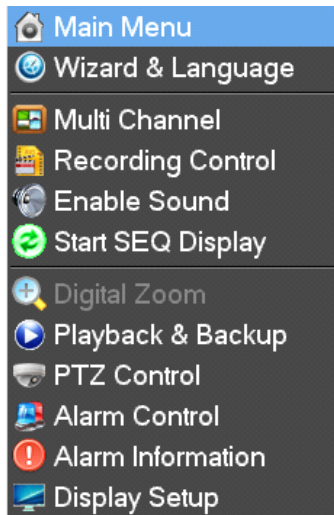Input your username and password and select OK.
Note: The default password for admin is blank when you receive the new DVR.

2.4 Guide

You can set the parameters of the dvr quickly by the following steps.
After logging into preview mode, you can right click the mouse to get a shortcut menu.
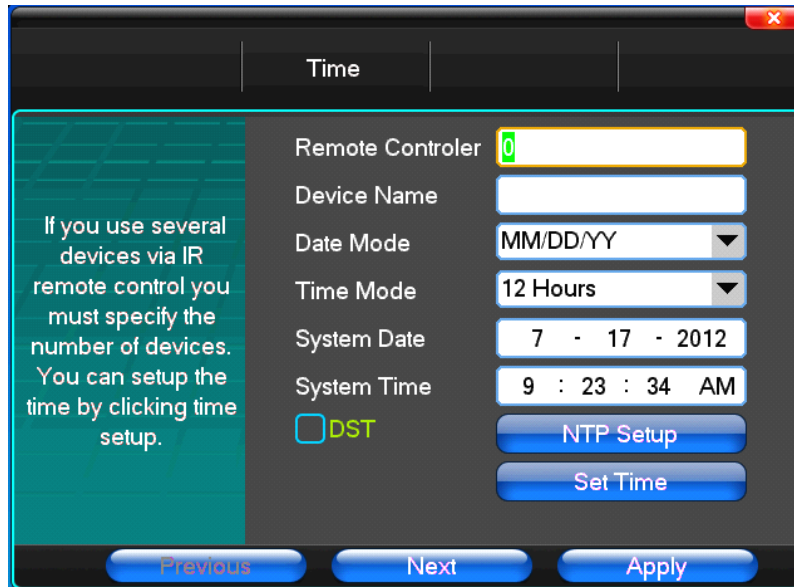
You can select "Wizard & Language" in the shortcut menu shown above.
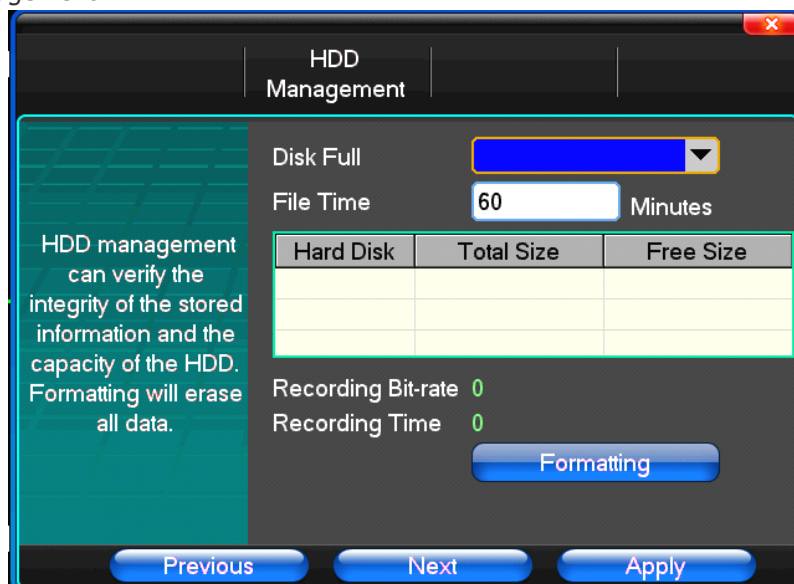
Step 1:language and the user

In this dialog you can select language and the user, then click "apply" button

Step 2,Date and time

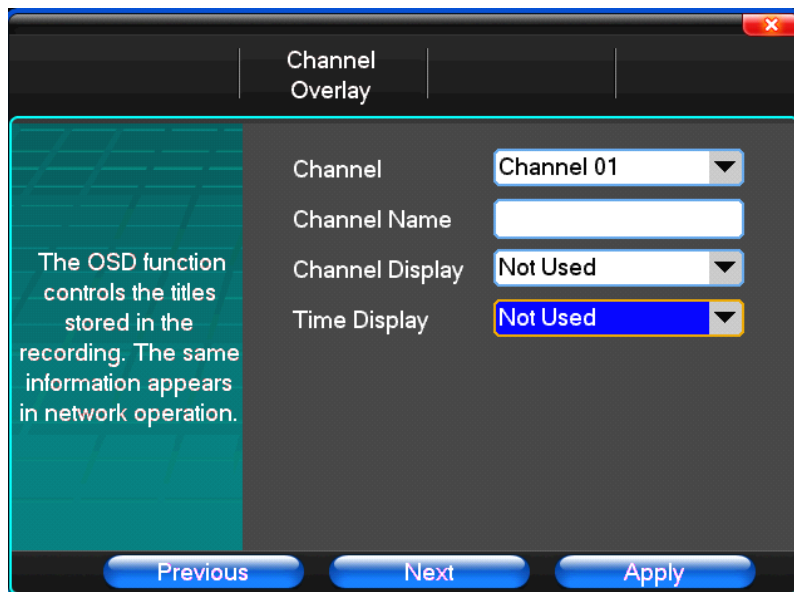You can setup system data and system time In this dialog.

Step 3:HDD management

If you install a new hard drive (HDD), you must format the HDD before using it to record.

Step 4:The recording parameters

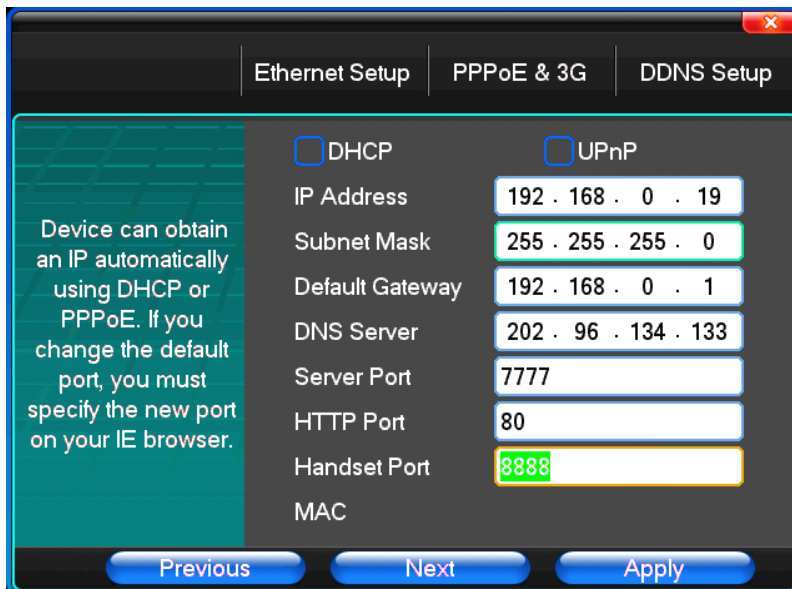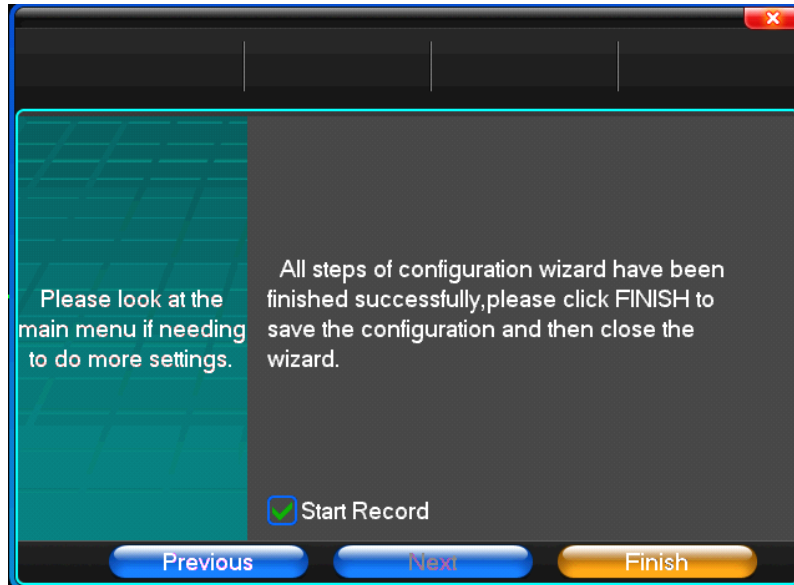In this dialog,you can setup some recording parameters on your own purpose.

Step 5:OSD

Step 6:Recording schedule

Step 7:Network

Step 8 :Start record

2.5 Main Operations

2.5.1 Time

Set the system date and time on the Time Menu
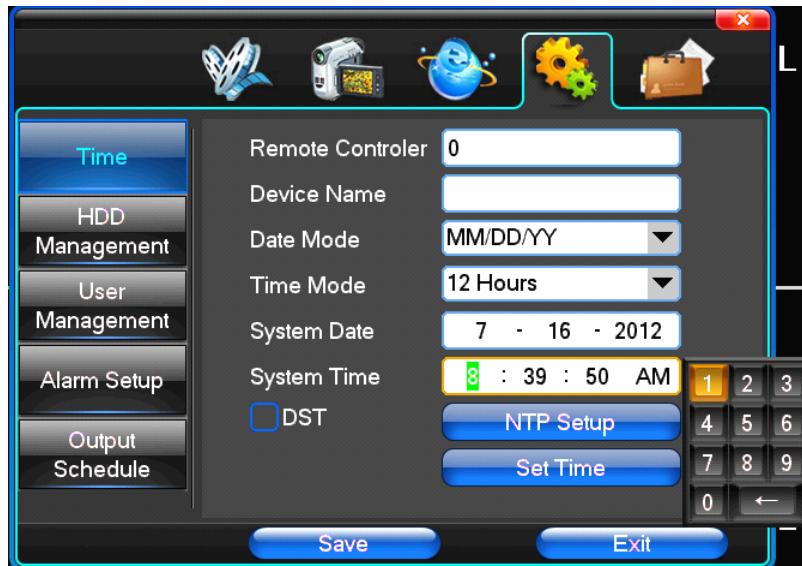
Enter the month, date, and time using the virtual keypad

【DST】Click for Daylight Saving Time. Daylight savings time "On" means DST is enabled. You can setup the start time and end time of DST.

2.5.2 Format Hard Drive

If you install a new hard drive (HDD), you must format the HDD before using it to record. To format a drive, go back to the main menu, click > System Setup>the HDD Management Icon on the **Main**

Menu screen

Select the preferred HDD > on the **HDD Manage** screen. Click【Formatting】to complete.
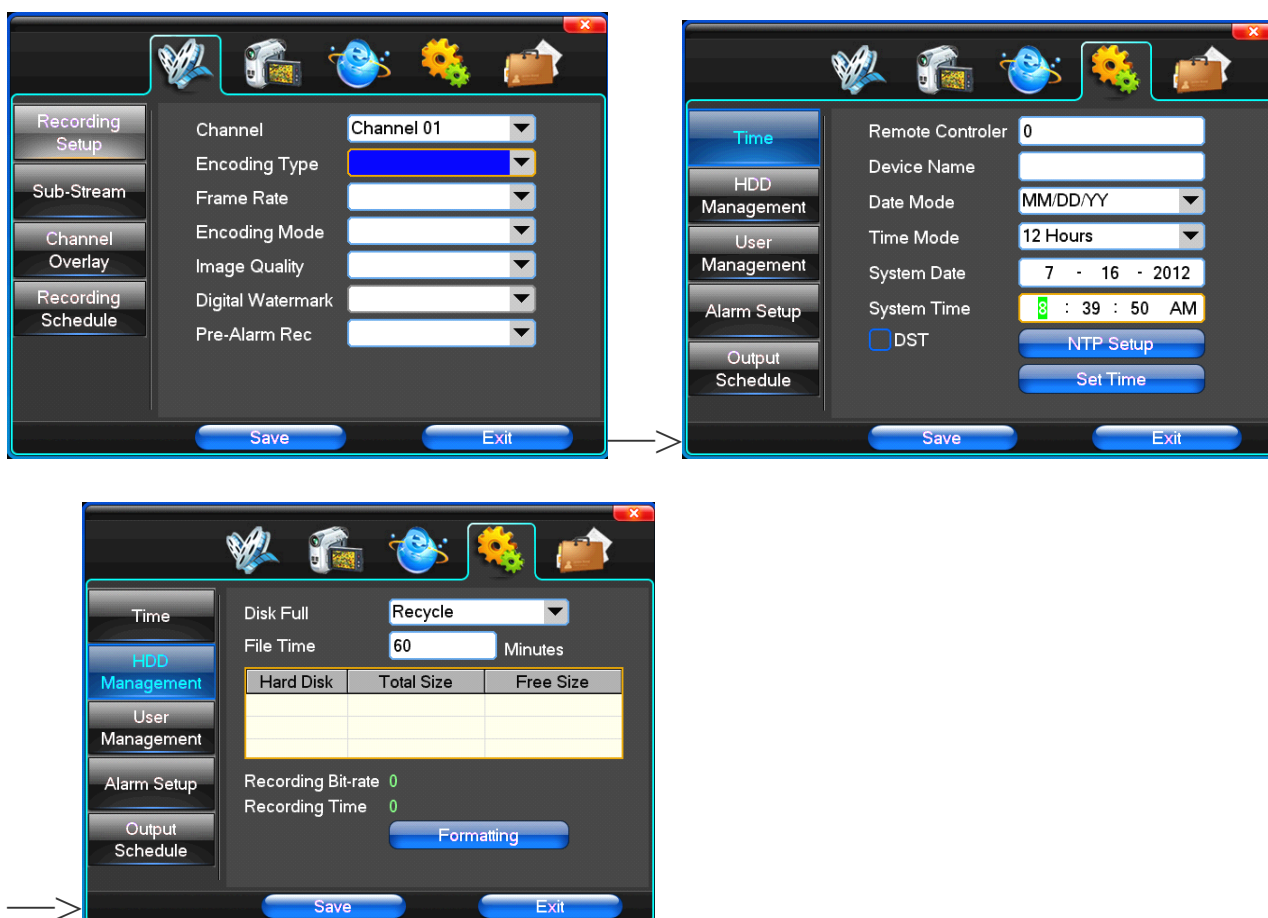
2.5.3 Record

Customer can according to select the different kind of recording mode in this system. For the different kind of recording mode you set, the channel will be showed the mark on everyone channel.

Manual recording

Note: Manual recording operational requirement the user should have "recording" permission. Please make sure the hard disk drive has been installed and it has been formatted.

1）Input manual recording operation menu

Single click right key of mouse or In main menu=> recording control can into manual recording operation menu. Under preview mode, press REC key or on the Remote controller unit key into recording control operation menu, as follows:
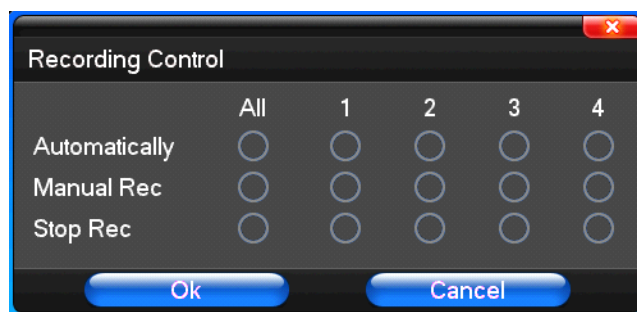
2) The explanation of manual recording operation menu

【manual rec】 Priority level highest, no matter currently what status of every channel, after carry out the manual press, corresponding channel will be record common in progress;

【Automatically】 Setting channel recording by setting condition to record under Timing, Motion detection and Alarm in Recording Setting;

【Stop Rec】All video channel stop recording;

Recording Setup

To set the recording parameters click the "Recording Setup" on the Main Menu.

【Channel】Choose the need to install passage "whole" says setting all channels

【Encoding Type】There are three options: D1.HD1, CIF.

【Frame Rate】 In this section, you can choose the recording frame rate (frames per second) for the current channel. The higher the record frame rate, the more natural movement you will see in playback mode.

【Encoding Mode】Including fixed bitrate, dynamic bitrate.

【Image Quality】 There are several options: Choose the one that is the best for your purpose.

【Pre-Alarm Rec】Can select close, open according to requirements

Note: Record frame rate, encoding type, quality and hard drive space will affect the total recording time of DVR system.

Note: All parameters will affect the recording time length for HDD. Recording higher quality images at a higher frame rate will result in a shorter recording time for the same size HDD.

Recording Schedule
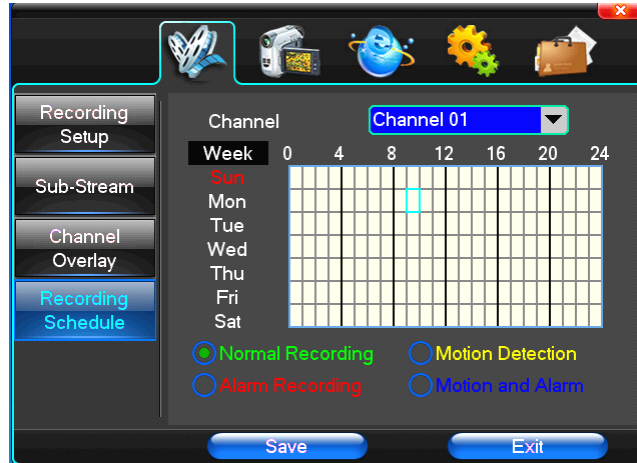
【Channel】Choose the need to install passage "whole" says setting all channels.

Each longitudinal row of every seven days a week, said the 24 hours a day manipulated said, mouse the left key click on the small square footage, setting time to clean it has chosen right-click drag video time.

2.5.4 Playback

The DVR supports live recorded playback. You can right click the mouse to get a shortcut menu.then select Playback&backup
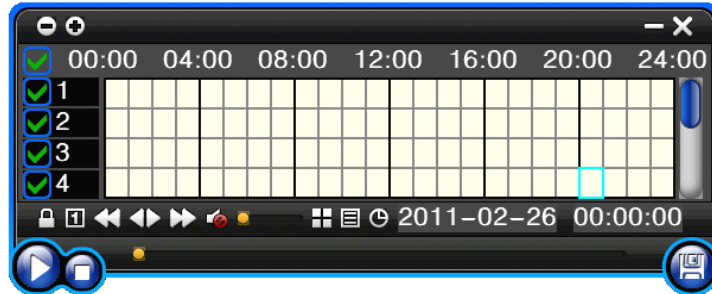
Button	Description	Button	Description
	Synchronous/asynch ronous play		Voice adjustment
	frame by frame		1/4/8/9/16/24/32 screen(switch image)
	Speed slow		Hide / display list
	Speed normal		recording date
	Speed fast		Play/pause/stop
	Sound off/on		rewind

Note:

1) During playback the Playback Tool will show the file playback speed, channel,

timing, playback speed etc. information in the Playback control panel;
2) Can't select the Fast forward operation function in over 2 channel at the same time, only progress in anyone channel;
3) Can drag the Playback Speed toolbar by mouse;
4)In this dialog you can select the video precise to the second.
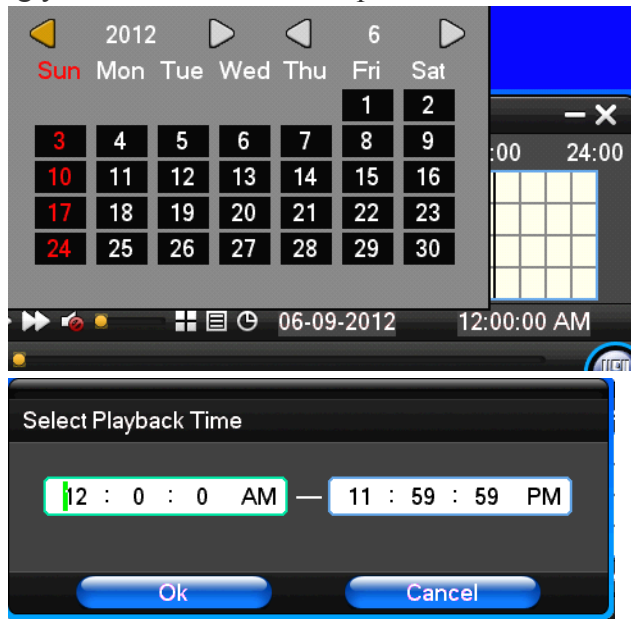
2.5.5 Network

To connect the DVR to the internet, certain settings must be input to the DVR. To access your DVR from the internet, you will need either a Static IP from your internet service provider (IPS) or a router with Dynamic DNS (DDNS) capacity and an account with an online DDNS service. This service is country specific, but in many countries, you can use the manufacturer suggested service id http://www.dyndns.org. If the below parameters are not clear, please contact your network consultant for help.

(1)General Setup
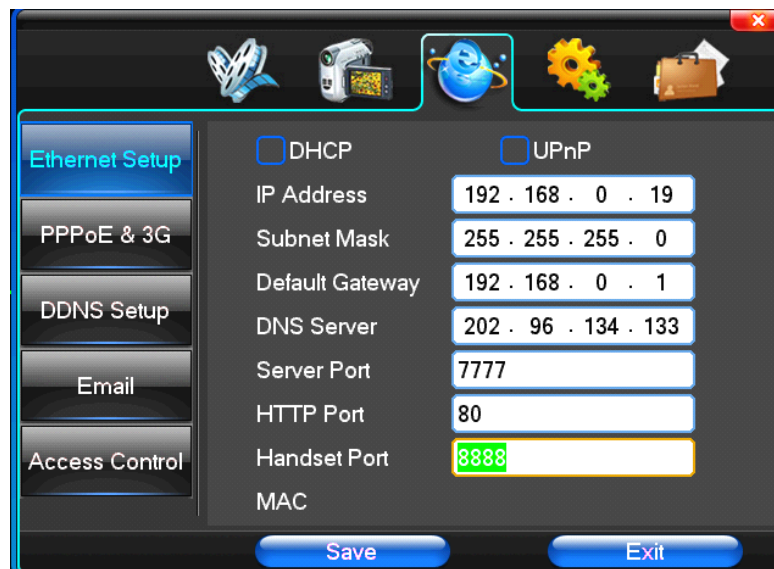
【DHCP】 After checked automatic assignment device will get IP address, subnet mask, the default gateway, the DNS server, etc

【UPnP】Can choose according to the requirement
【IP Address】Network logic address can according to the requirements set
【Subnet Mask】Server subnet mask
【Default Gateway】Server gateway
【DNS Server】DNS server addresses
【Server Port】Data port, initial socket for 7777
【HTTP Port】the default port for 80. If change, when using IE browser, need to monitor the IP address, adding new socket. If use IP address to 82, from the original browsing http://192.168.0.19, change for http://192.168.0.19:82.
【Handset Port】Network phones socket, initial socket for eight thousand eight hundred and eighty eight

(2)Dial-UP Setup

Tip: PPPoE dial-up successful, according to 【 PPPoE IP 】 shown on IP address, users can remote access hard disk video recorder. By nic LAN IP access.
The dvr support model：
Unicom：huawei E173,zhongxing MF100
Telecom:huawei EC150.huawei EC156.zhongxing MF583
"3G DIAL" have two modes with automatic and manual dialing, the operation follows as below.
Automatic Dialing
Select the Automatic Dialing in the interface of the following picture, fill the right information according to the operator where the 3G card belongs to and the 3G referred guide, It includes IPS names, AP, dial-telephone, ID and password, the interface shows as the other following picture (some IPS once be chosen, the other relative information has been already done, so you needn't fill any more, click "SAVE" directly). Then click "Save" directly. After having detected the 3G signal when DVR start, the system will dial up automatically.
Manual Dialing
In the interface of following picture, users would fill the right information in the menu bar as same as
Automatic dialing and click "SAVE". Then click "Dial-up" after saving successfully (The referred information would be saved still after the DVR restart, but you should click "Dial-up" again).
In these two modes, if the dial-up want success, first you should make sure that the 3G card is available. Since the 3G signal has been existed, the related menu bar will show the correct IP address; if failed, system will popup a window to show the wrong information.

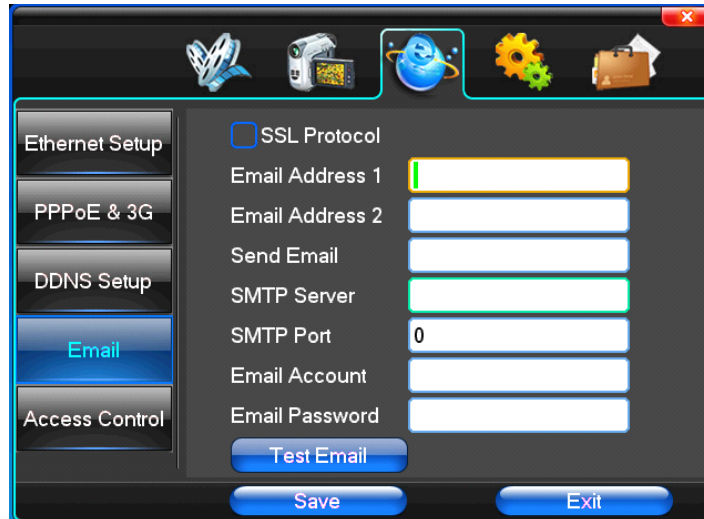**(3)DDNS Setup**
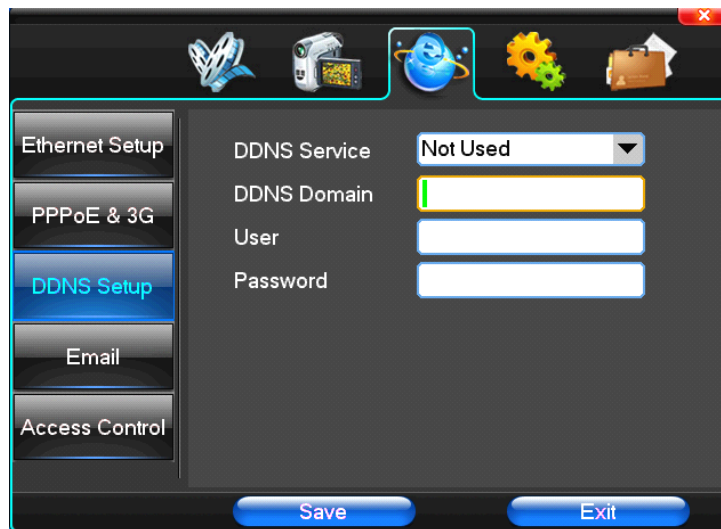
【DDNS Service】Dynamic DNS provider website
【DDNS Domain】Dynamic domain name, soft keyboard and hard keyboard can be input.
【DDNS Account】Login domain name service provider website user name
【DDNS Password】Login domain name service provider website password
Tip: through the dynamic DNS server. Support dynamic DNS.

(4)Email

【SSL Protocol】Sending E-mail in use safety network connection
【Test Email】Send an email to the recipient mailbox test
【Email Address】The recipient's email address. Users can input two different email address.
【Send Email】The sender email address .
【SMTP Server】Send mailbox mail server
【Email Account】The sender email address the corresponding account
【Email Password】The sender email address of the corresponding email password
According to the customer request can be checked 【inputl alarm 】and 【 video loss 】
  sending emails. Two can also choose.
Note: your sender email must support SMTP.

(5)Access Control
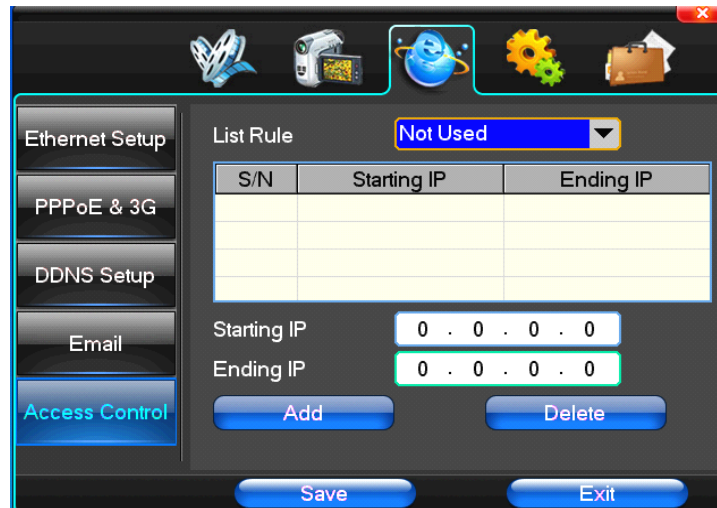
【List Rule】According to the requirement to choose: don't use, allow access, refused to
              visit.
【Starting IP】Display IP address started section
【Ending IP】Display IP address end segments
【Add】On the basis of the need for added
【Delete】According to the need to delete

2.5.6 Web

Open IE browser, input the correct IP address and port number. Input the correct name and

password, and then click the Login button.

Note: Make sure all the active controls for internet security on your PC are enabled. For IE, you can go to **Tools** > **Internet Options** > **Security.**

Note: The default user ID is "admin". Default password is blank
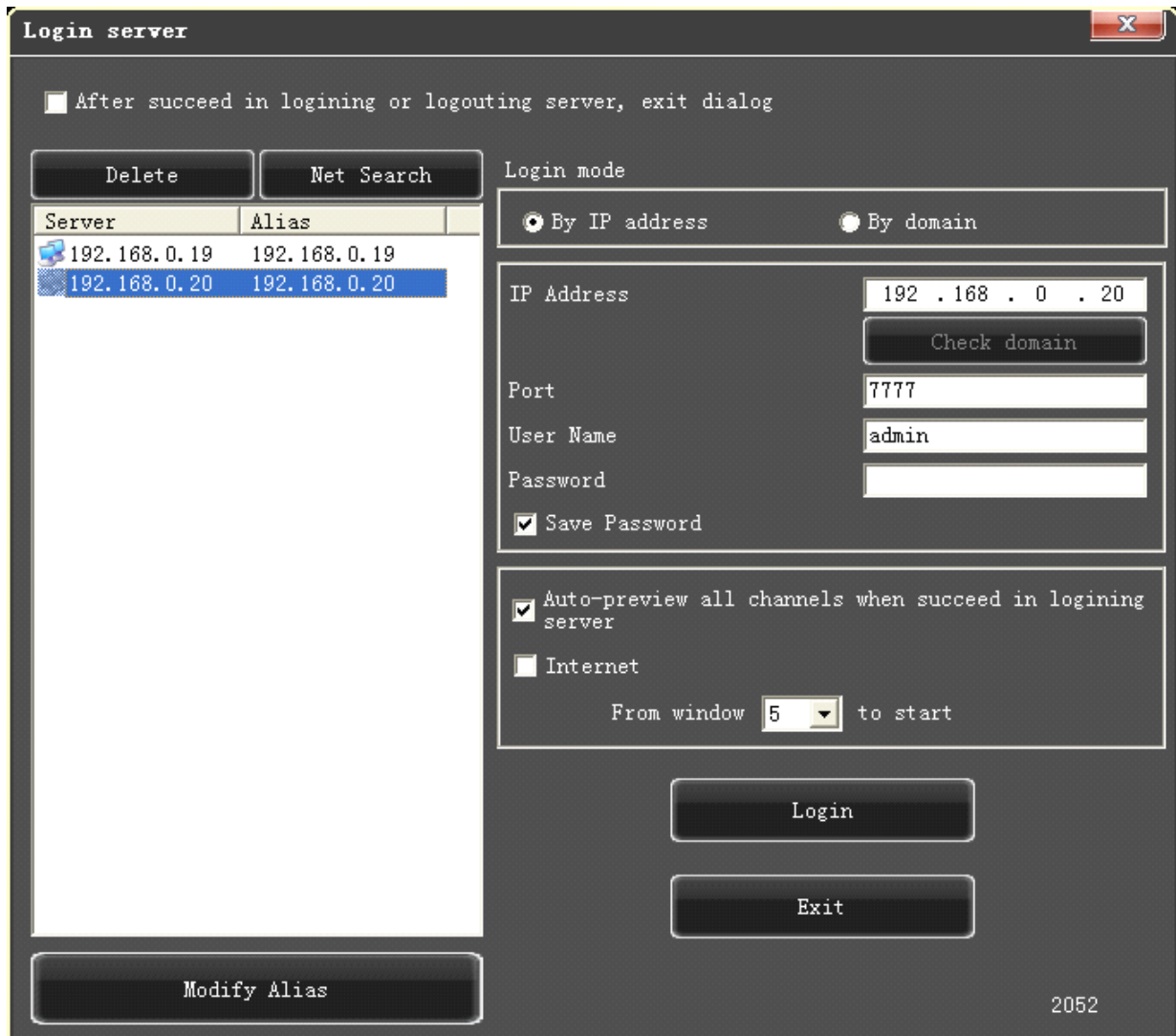
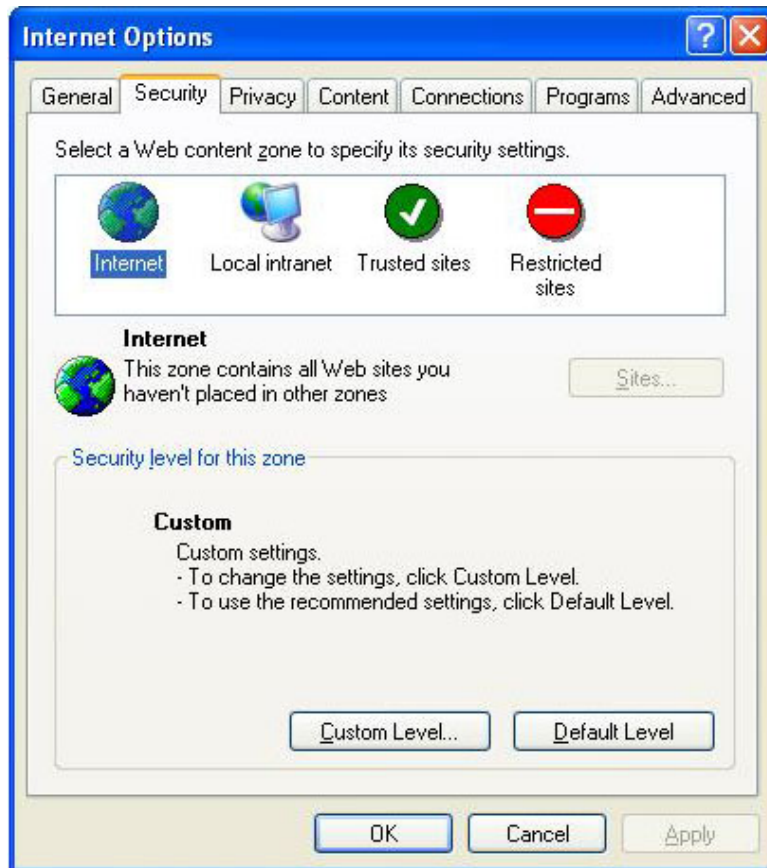After you login, you will see the following screen.

APPENEIX

A. Network Security Setting

Prior to controlling installation, please program the network security level by using the following operations:

(1) Open the IE browser and click [Tools→ Internet Options].

(2) Choose the "Security" tab in the dialogue box.

(3) Click "Customization level" to enter into the security setting.

Set the ActiveX control and pluggable unit. Select the following options

√ ActiveX control auto-prompting

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√ Run the script of the ActiveX control which is marked to safely implement the script.
√ Implement initialization and run the script of the ActiveX control which is not marked
   to safely implement the script.
√ Binary system and the script behavior
√ Download the unsigned ActiveX control
√ Download the signed ActiveX control
√ Perform the ActiveX control and pluggable unit

It's extremely importation to "enable" the items above.
Prompt: Before control installation, please turn off the fire wall and the anti-virus
**software.**

B. Connection Setting
The remote access for the hard disk recording machine should be carried out through the
network. In the local area network connection, the IP address of the client-side computer
must be on the same network section with that of the hard disk recording machine. While
in the wide area network connection, just ensure that two sides can access the public
network, and connect through the IP address or the dynamic domain name. The following
will mainly focus on connecting and setting the method for the local area network.
Step 1: Right click on "Network neighborhood" and click "Attribute" in the ejected menu
to open the "Network connection".
Step 2: Double click to open "Local connection".
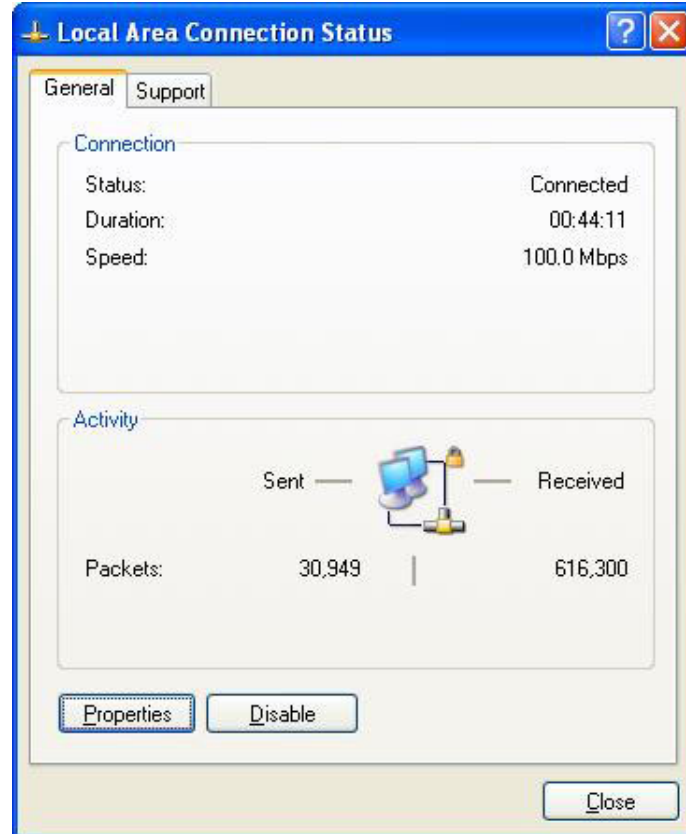
Step 3: Click "Attribute".
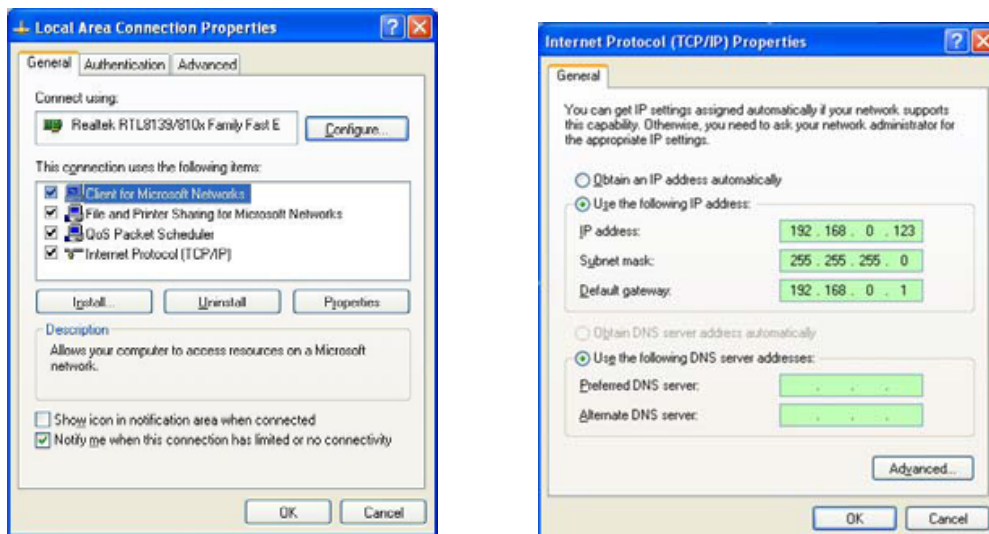
Step 4: Double click "Internet protocol (TCP/IP)".

Step 5: Examine the IP address, subnet mask, and default gateway on the PC.
Step 6: Set the corresponding IP address, subnet mask, and default gateway on the DVR.
If the subnet mask and default gateway on the DVR are the same as those of the PC, then
the IP address must be in the same network section but cannot be the same as the used
one. Otherwise, it will cause IP address conflicts. Take the figure above as an example,
the IP address should be: 192.168.0.X, wherein, X cannot be 123 or 1 (including other IP
addresses currently being used), and cannot surpass 255, the subnet mask is
255.255.255.0, and the gateway is 192.168.0.1.