

Dear Customer!

By selecting this VC product you have chosen a professional device, which guarantees highest possible quality and reliability.

Please read the following instructions carefully before commissioning the product in order to be able to take full advantage of all quality features regarding this product line.

Digital Video Recorder

Art. Nr. 12540

Art. Nr. 12580

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Caution

- For your safety, unplugging the power before moving the DVR, installing, or replacing any parts or hard drive.
- Make sure all the power cable and wires are properly set up before using the DVR.
- To avoid a short circuit, don't leave any unnecessary parts inside the DVR.
- Please avoid dramatic changes of the environment, such as dust, temperature, and humidity. Keep the DVR in a temperature ranging from 5°C~40°C.
- Keep the DVR in a well-ventilated place and away from any heat-generating objects.
- Do not block the DVR's fan and vent.
- Do not expose this unit to the sun directly.
- If you are not sure of the installation and setup, please consult the technicians.
- Don't fix it yourself if there's any damage to this unit or the power supply, Consult the technician or the distributor.

Package Contents

- DVR Main unit x 1
- Power Adapter x 1
- AC Power Cord x 1
- Manual x 1
- Software CD x 1
- USB Mouse X1
- IR Remote Controller x 1

If there is any damage, shortage or inappropriate item in the package, please contact with your local dealer.

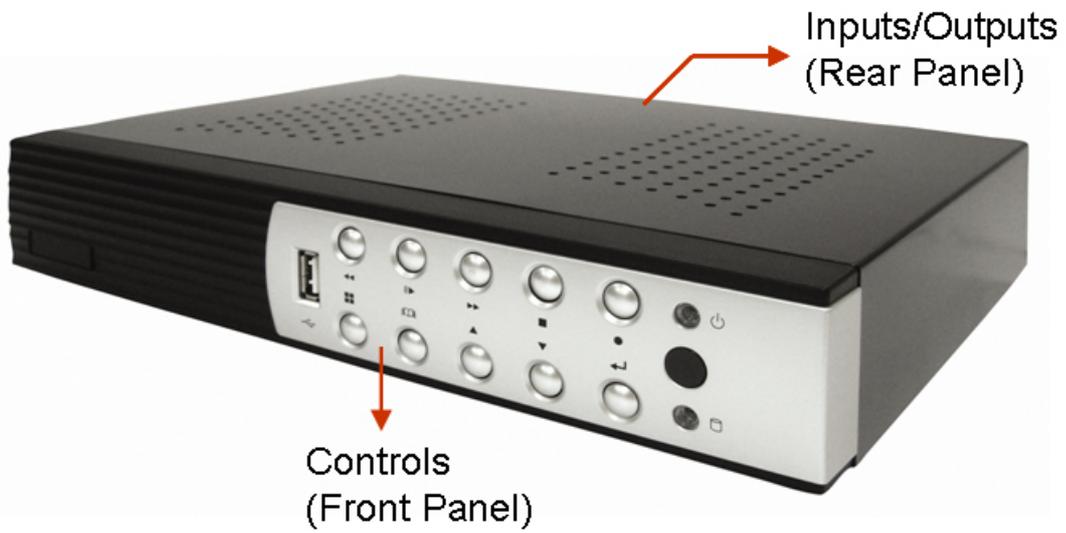
Introduction

1. Product Overview

- High quality pictures by digital recording with 4/8 video inputs (NTSC/PAL)
- Provides one VGA and S-video/video-in*2 for video output and two audio inputs
- Triplex operations : Recording / Playback / Remote Backup
- Two compressive modes: MJPEG (recording) / MPEG4(networking)
- Individual recording frame rate setting for each channel, from 1fps to real time
- Individual recording mode by Continuous, Schedule, Sensor/Motion Trigger that setting for each channel.
- Search Mode by Time or Event
- One front accessible R/W DVD-ROM (or accommodated one removable hard drive), and one internal 3.5" hard drives (for 4/8CH DVR) with IDE or SATA HDD interface (optional – IDE to SATA bridge); Max. SATA : 1T
- Enhanced USB disk backup
- One network connection with 10/100 Ethernet(RJ-45)
- Network protocol by TCP/IP, Static IP, DHCP, PPPoE, DDNS(through Router)
- P/T/Z camera control by RS485 (Available soon)
- Playback searching by Time/Event
- PC Operating System: Windows XP/2000/Vista
- Remote monitoring, recording and playback by client program and IE browser
- Authentication setup function.
- Mouse / IR remote controller /Front panel keypad operation available
- +12VDC, 50Watt power adapter (AC100~240V, 50/60Hz), with internal IDE HDD: 3Amp(min), with internal/front-access IDE HDD:4Amp(min), model support SATA HDD: 6Amp(min)
- Dimension(Width x Height x Depth):
340x60x280mm (4/8CH DVR with Removable HDD+3.5"HDD)
- Display/Recording frame rate and resolution:

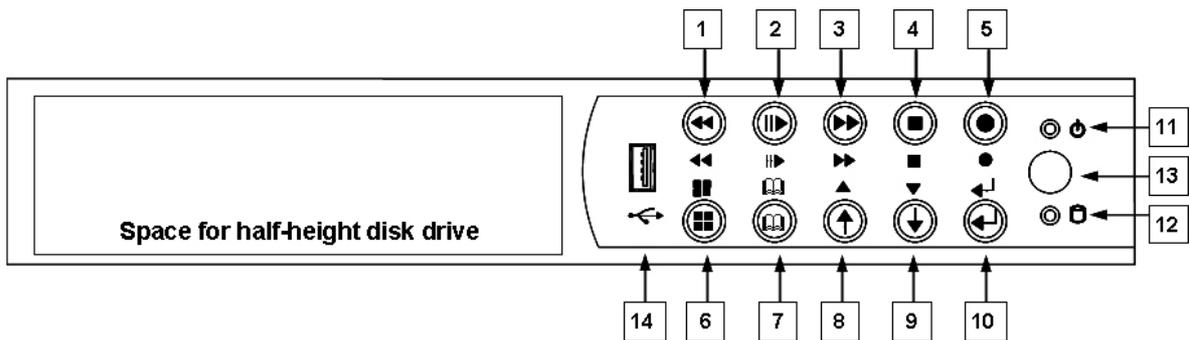
Models	4CH DVR	8CH DVR
Display Frame Rate	120/100fps	240/200fps
Recording Frame Rate	60/50fps	60/50fps
Display Resolution	640x448/640x544	640x448/640x544
Recording Resolution	640x224/640x272	640x224/640x272

2. Product Outline



3. Front Panel

- 3.1. The removable drive (CD-ROM/DVD-ROM) model
-with one front-accessible disk drive (or CD-ROM/DVD-ROM) and one internal HDD



Controls:

No.	Name	Function
1	◀◀ REW	Backward search through a time-shifted or recorded video.
2	II/▶ PLAY/PAUSE	Start or pause video playback
3	▶▶ FF	Forward search through a time-shifted or recorded video.
4	■ STOP	Stop playback or backup.
5	● REC	Start or stop recording/backup.
6	■ MODE	Press to select 1/4(1/4/8 for 8ch) screen display.
7	📖 MENU	Enter menu or back to previous menu list..
8	↑ / ▲ UP	Moves up through the list of menu. Also used to select menu options or change the DVR configuration values.
9	↓ / ▼ DOWN	Moves down through the list of menu. Also used to select menu options or change the DVR configuration values.
10	↵ SELECT/ENTER	Use this button to change values on main menu or sub menu setting.

Indicators:

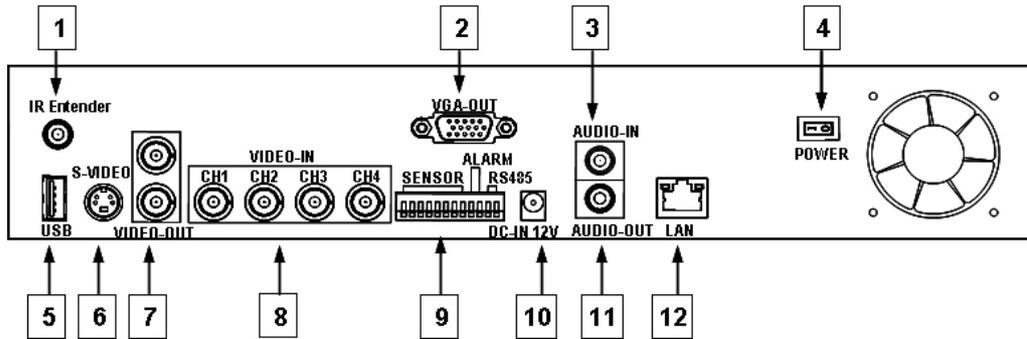
No.	Name	Function
11	● Power LED	The DVR unit is powered up and running. (Green color)
12	● Hard disk Activated LED	LED indicator flashes at hard disk is acting (Red color)

I/O:

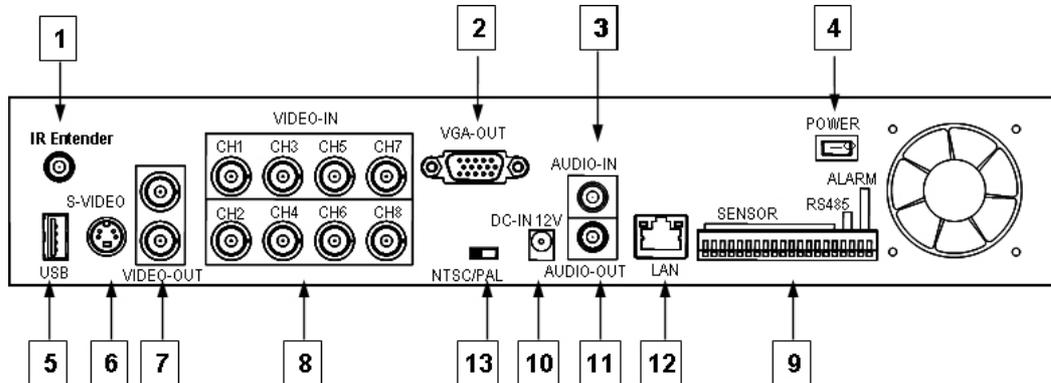
No.	Name	Function
13	● IR Receiver	IR Control receiver (Refer to IR Remote Controller)
14	USB	Connects PC for firmware upgrading/USB backup

4. Rear Panel

4 CH Triplex DVR (with Removable Disk Drive)

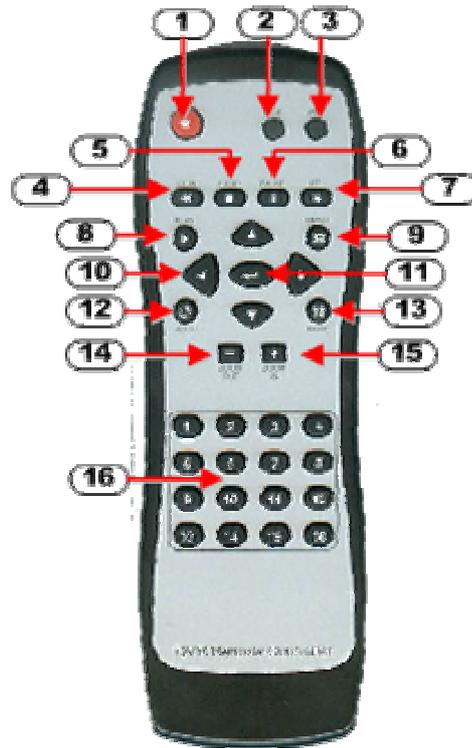


8 CH Triplex DVR (with Removable Disk Drive)



No.	Function
1	IR Extender connector (Optional)
2	VGA Display Connector (DB-9)
3	AUDIO-IN
4	POWER ON/OFF Switch
5	USB PORT (dedicated Only for Mouse Connection, must connect at the beginning of Power On)
6	S-VIDEO
7	VIDEO OUT (Monitor)
8	VIDEO IN (BNC)
9	General Purpose I/O for SENSOR/ALARM/RS485
10	DC-IN (12V)
11	AUDIO-OUT
12	LAN (RJ45)
13	NTSC/PAL SELECTOR

5. IR Remote Controller



No	Button / Name	Function
1	● REC	Start or stop recording / backup.
2	● DVR	N/A
3	● PTZ	Switch to PTZ mode (Available soon) .
4	◀◀ REW	Backward search through a time-shifted or recorded video.
5	■ STOP	Stop playback or backup.
6	PAUSE	Pause recording or playback.
7	▶▶ FF	Forward search through a time-shifted or recorded video.
8	▶ PLAY	Start video playback.
9	📖 MENU	Enter menu or exit.
10	▲(UP)/ ▼(DOWN)/ ◀(LEFT)/ ▶(RIGHT)	Moves up/down/left/right through the list of menus. Or use it to select / change the DVR configuration values.
11	↵(Enter/Select)	Use this button to change or confirm values on main menu or sub menu setting.
12	🔄 AUTO	Press AUTO button to start screen auto sequence.
13	■ MODE	Back to 4/8 (for 4/8ch) screen display while screen is full..
14	- ZOOM OUT	N/A
15	+ ZOOM IN	N/A
16	1,2,----16 (Channels)	Channels Selector (CH1~CH16 depends on each DVR)

Installation

 **Be sure there is no power connection before starting installation!**

1. Install the disk drives

There are two spaces for disk drives installation on the DVR: One front accessible R/W CD-ROM/DVD-ROM (or removable HDD drive) and one internal 3.5" hard drives with IDE (default) or SATA interface.

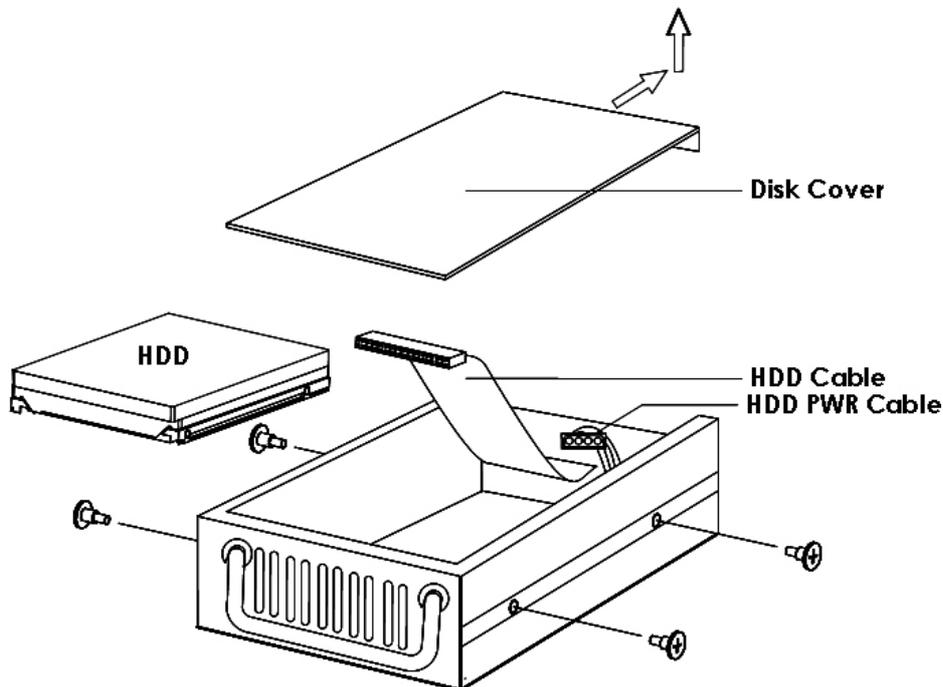
Set the HDD (installed with OS/DVR software) jumper into "Master" to make sure all operating will be normal. The other HDD would be set to "Slave".

1.1. Install the removable disk drive on the front panel

Step1: Unlock the removable disk drive and slide out the HDD tray.

Step2: Remove the HDD tray's cover. Put one HDD drive into the tray and well-connect the cable to HDD drive on the rear side of the tray.

Setp3: Fix four screws on both sides, put the cover back and slide back the HDD tray.



2. USB connector on rear panel

USB connector on rear panel is dedicated for USB mouse using.

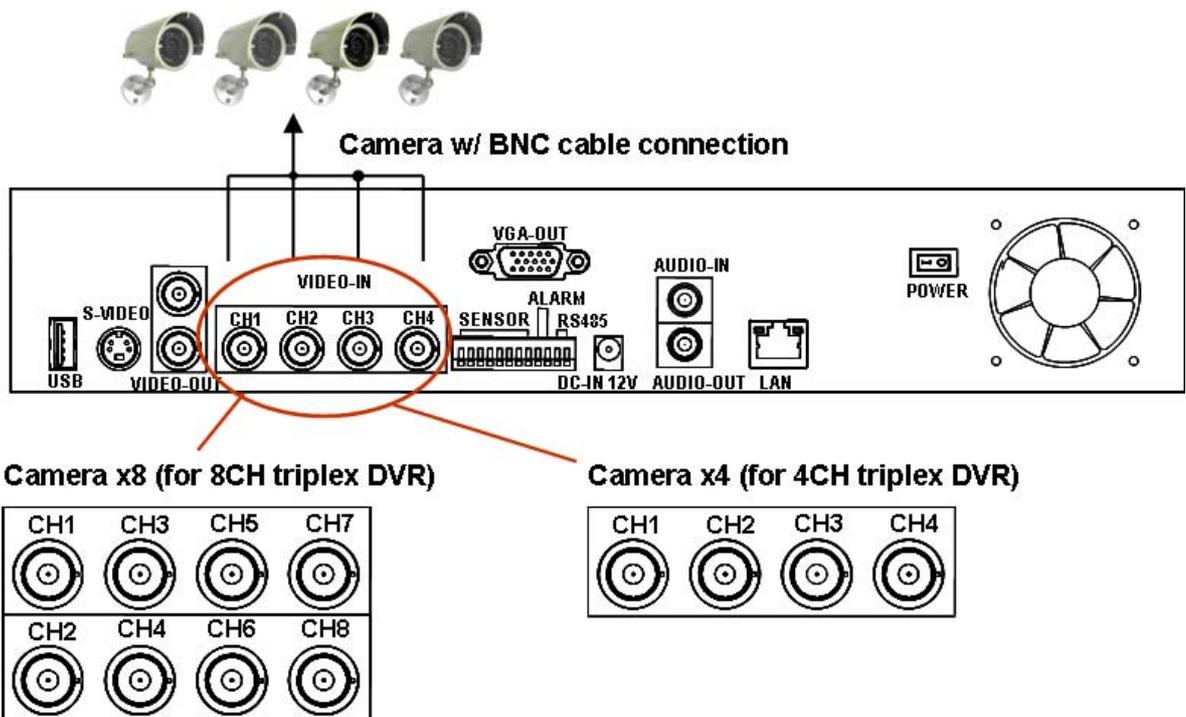
Do not connect to any other USB device except the mouse.

3. Camera connections

There are four channels for cameras' connections named CH1, CH2, CH3 and CH4.

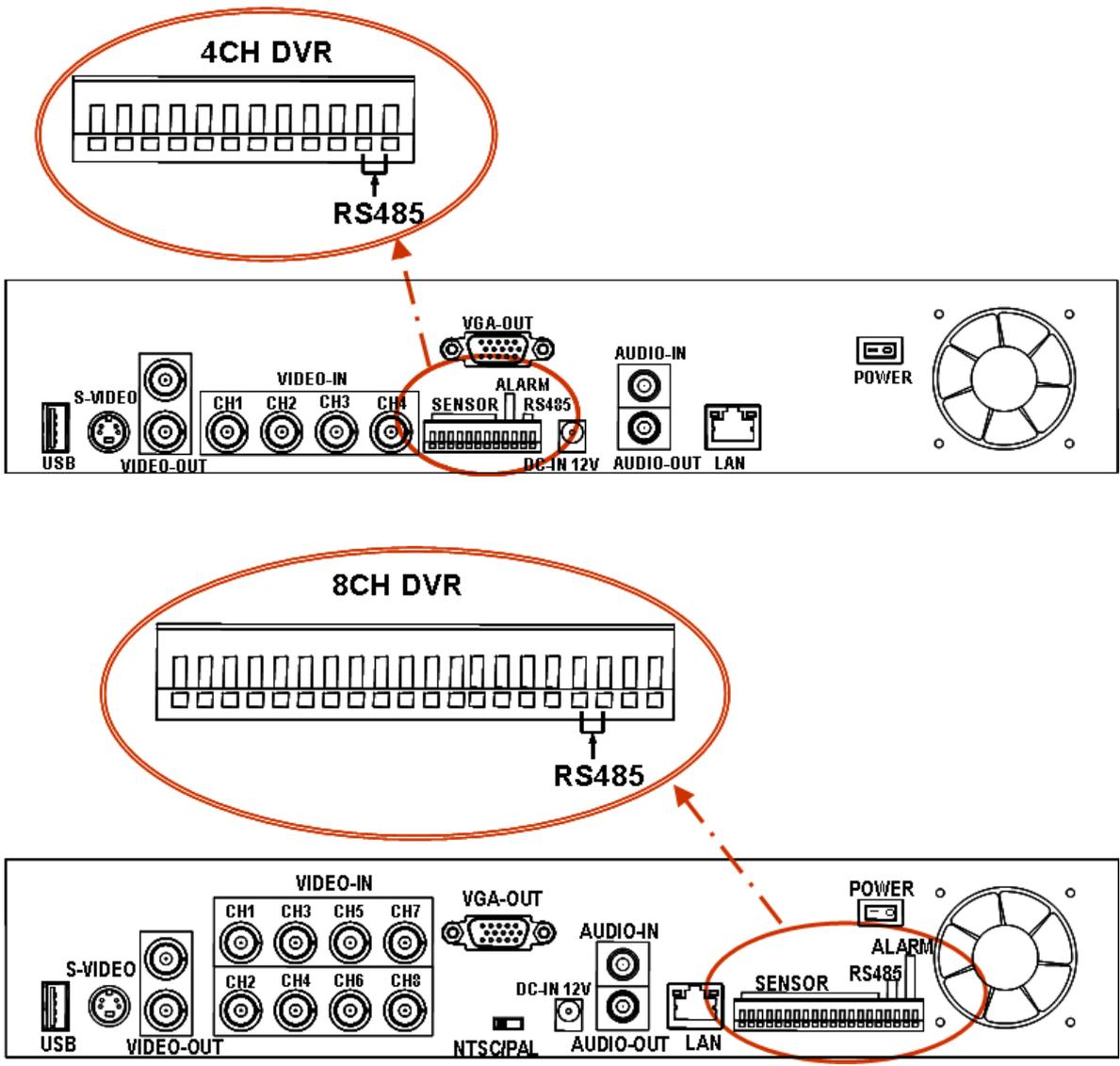
Each camera has two wirings basically: BNC and Power.

Connect the BNC cable to DVR's "VIDEO-IN" connector on rear panel for video signals and connect the power cable to the camera's power adapter.



The Dome camera has one more RS485 wiring for activity control. At first, please refer to the next section for setting JS1 selection to RS485 (default is RS232)

Please refer to the following figure and connect to DVR's "RS485 connectors" (Two pines) on rear panel for controls signal

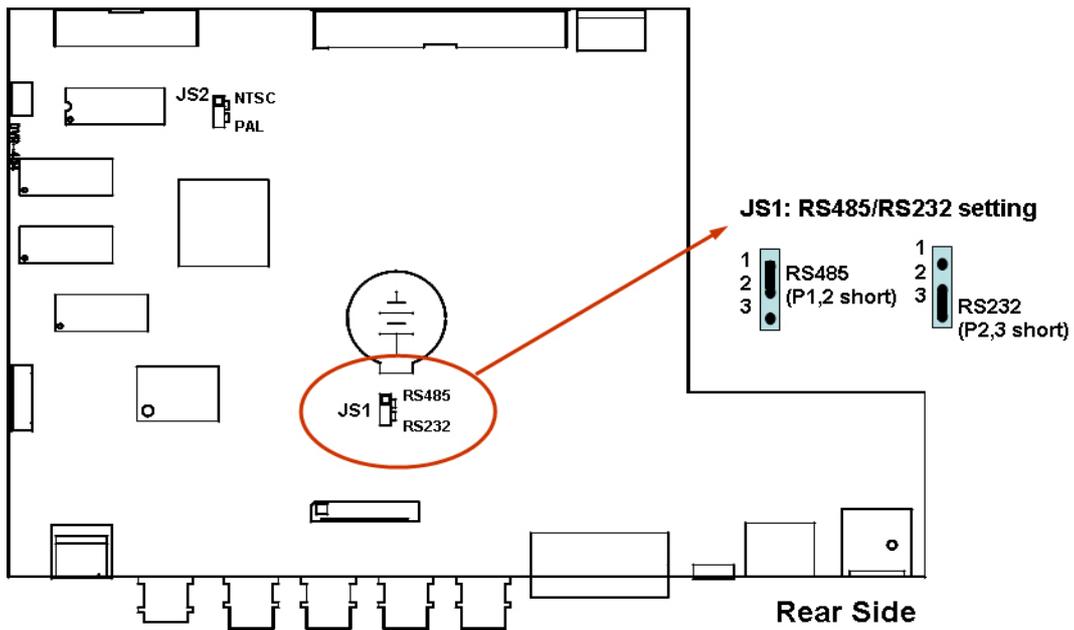


4. RS485/RS232 Selection

The DVR provide one com port. It can be selected to RS232 or RS485 by setting the jumper on the main control board.

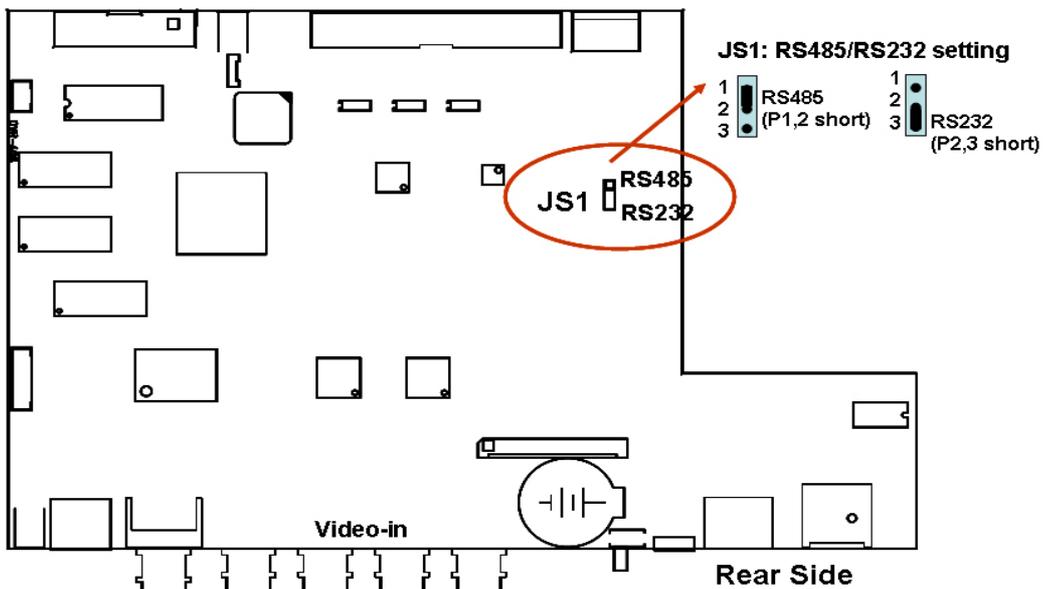
4.1. 4 CH Triplex DVR

Open the top cover as mentioned; there is a main control board with JS1: the jumper setting to select RS485 or RS232 as following figure.



4.2. 8 CH Triplex DVR

Open the top cover as mentioned; there is a main control board with JS1: the jumper setting to select RS485 or RS232 as following figure.

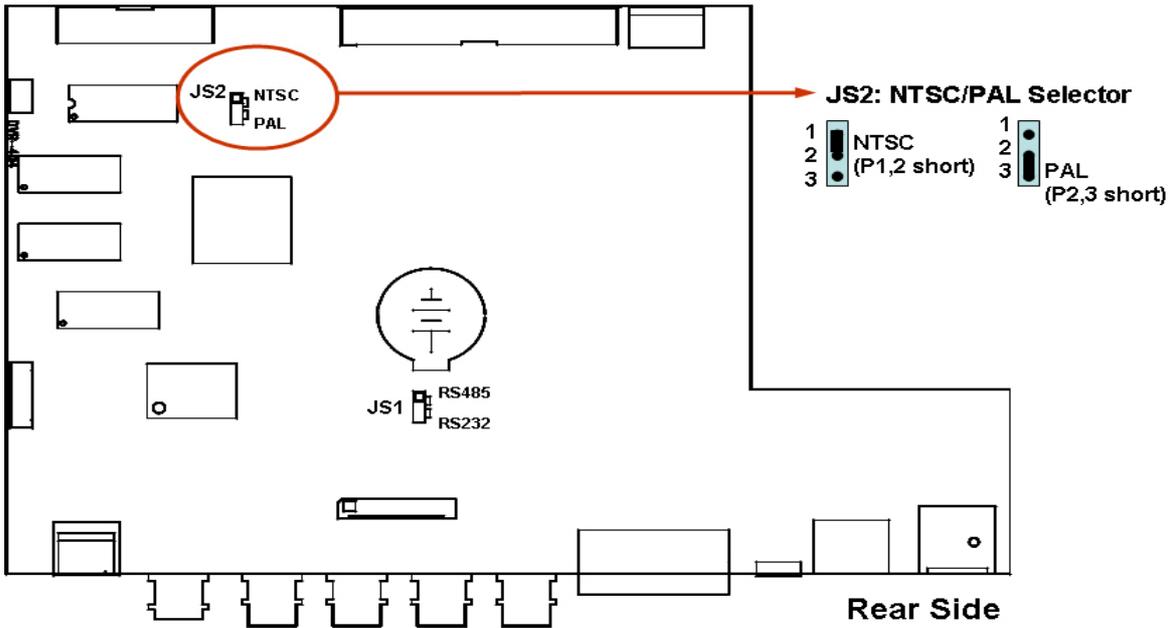


5. Video Format Selection

The DVR accepts two video formats: NTSC and PAL. It can be select by setting the jumper on the main control board.

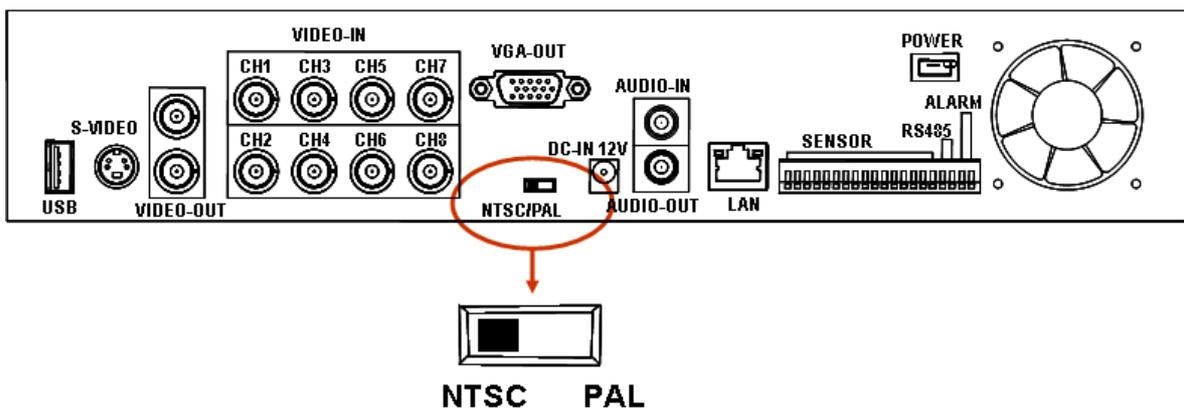
5.1. 4 CH Triplex DVR

Open the top cover as mentioned; there is a main control board with JS2: the jumper setting to select NTSC or PAL for video format as following figure.



5.2. 8 CH Triplex DVR

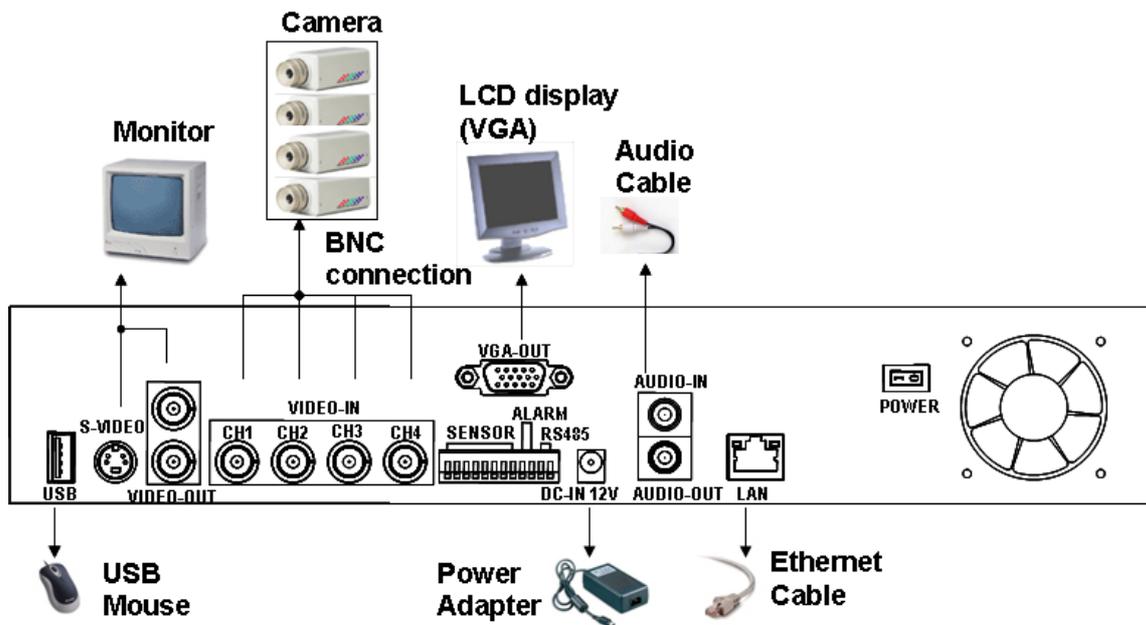
There is a Video format selector on the rear panel as following figure.



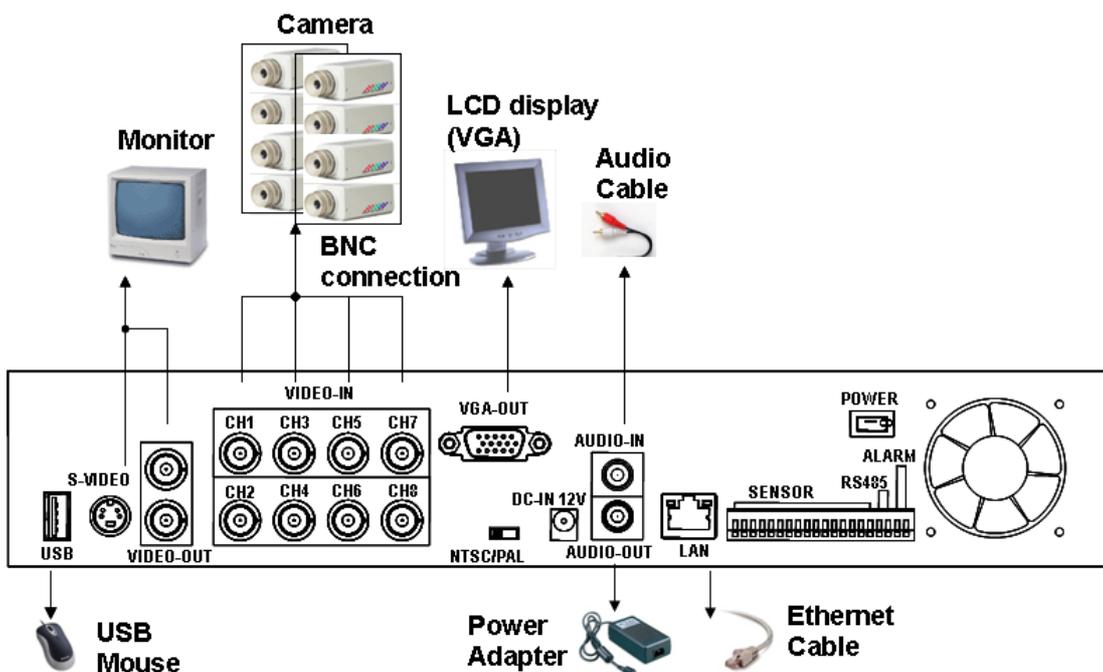
6. Cablings

Before starting to use, you have to connect all the peripherals like LCD display, cameras ... as following figure:

6.1. 4 CH Triplex DVR



6.2. 8 CH Triplex DVR

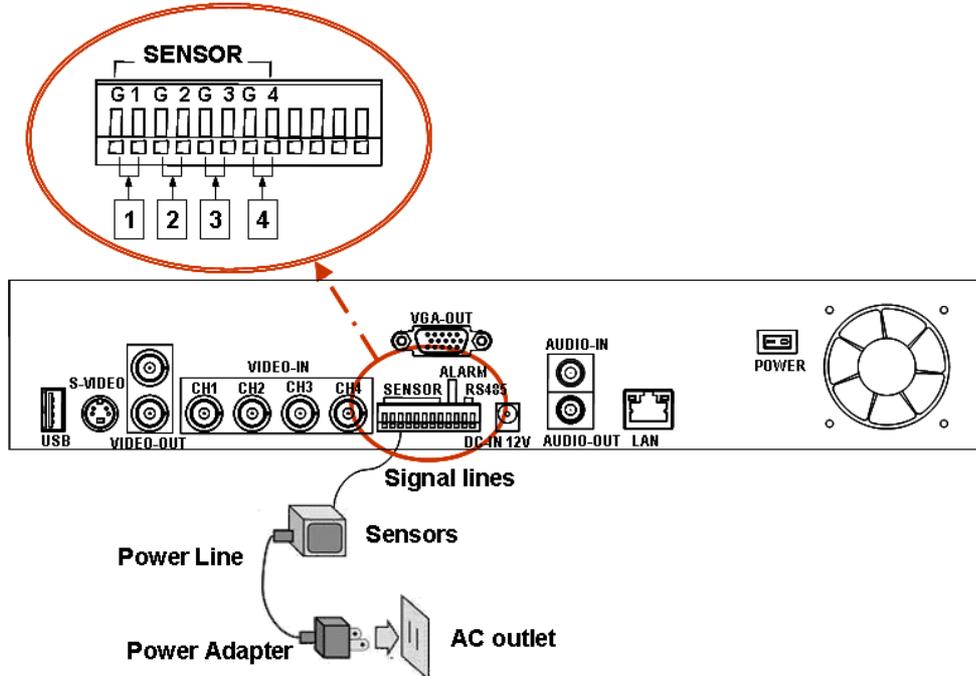


7. Sensor Installation

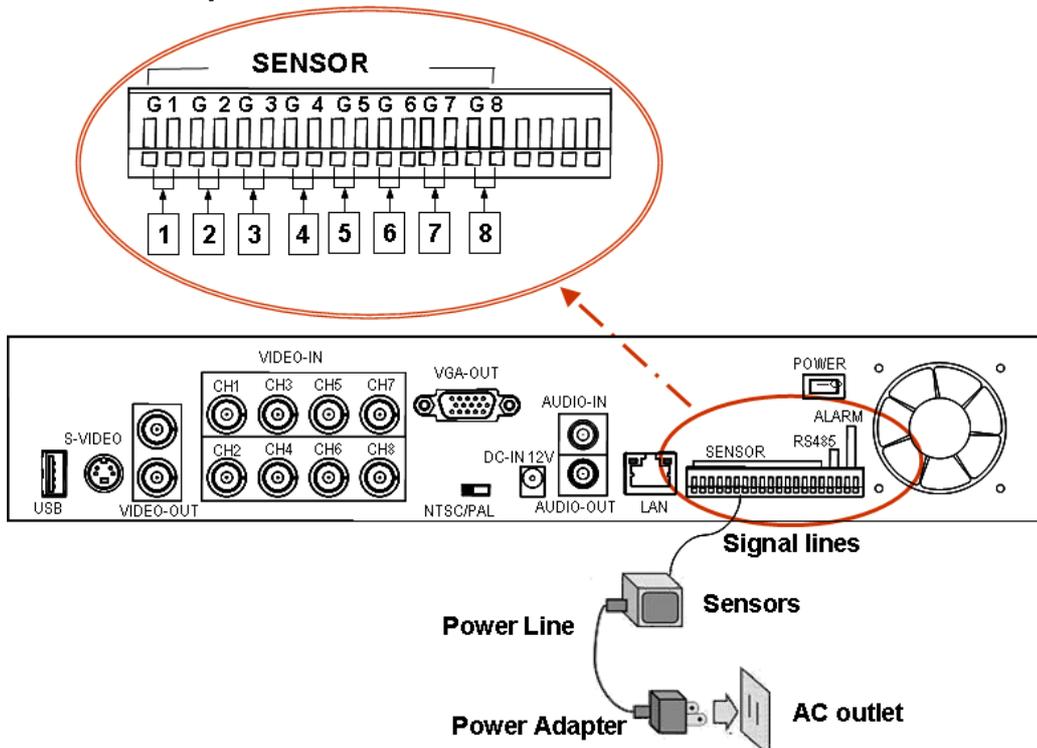
The DVR unit can be connected up to 4/8 sensor inputs as following figure.

Each set of sensor has two lines: signal and ground in order to sense the sensor's status.

7.1. 4 CH Triplex DVR



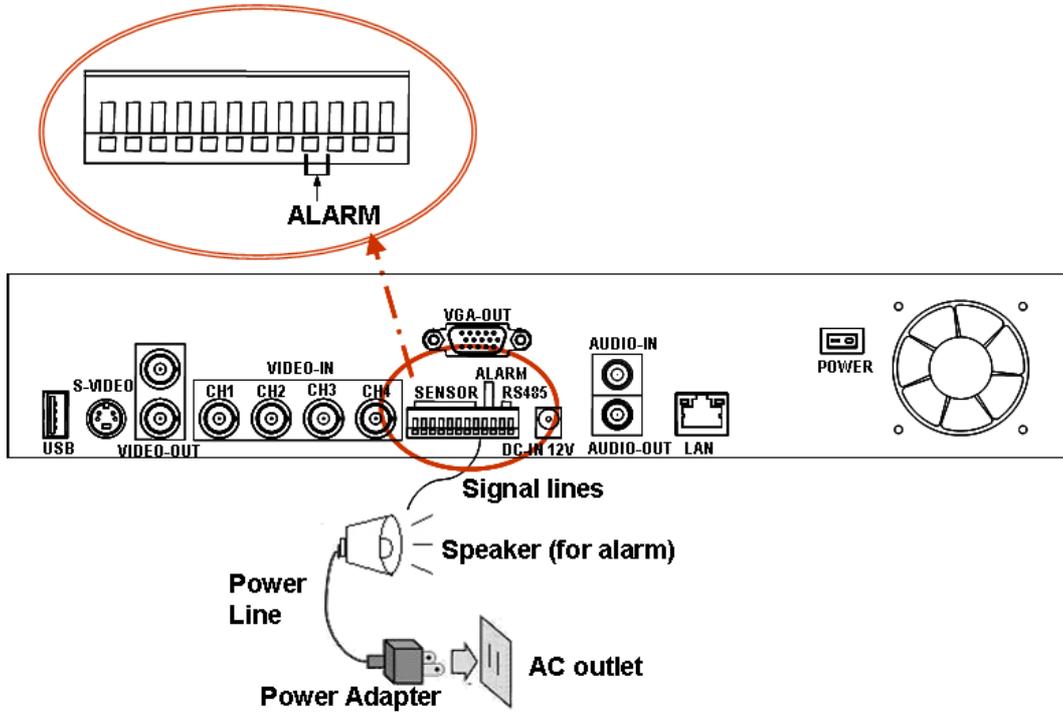
7.2. 8 CH Triplex DVR



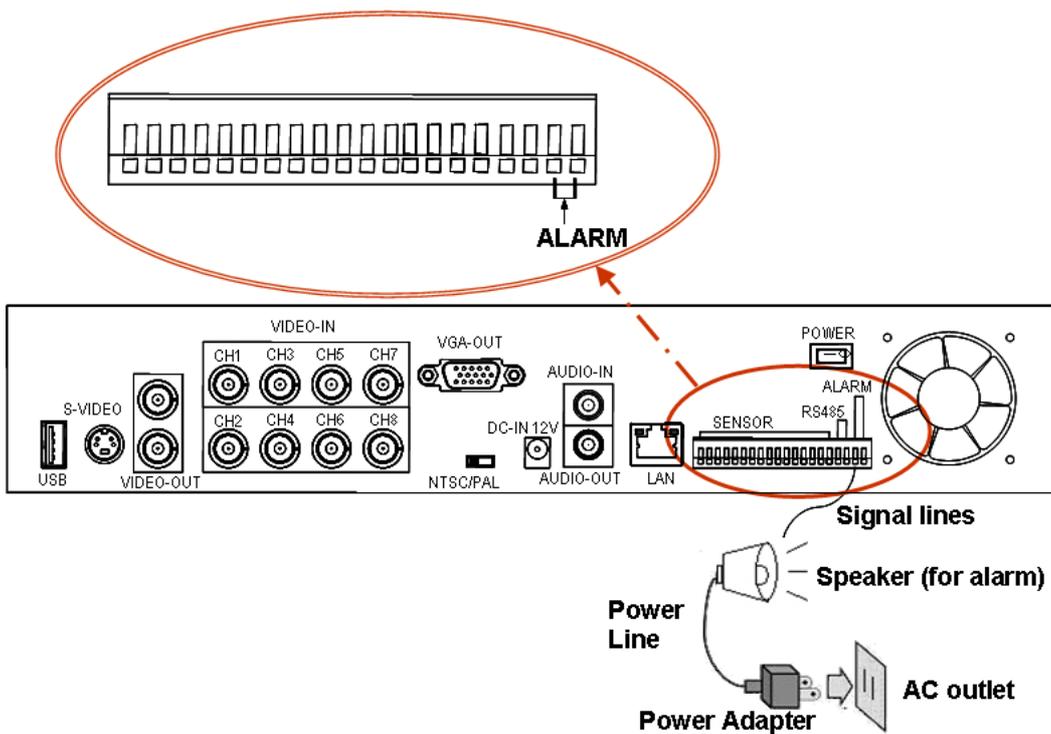
8. Alarm Installation

The DVR unit provides one alarm (speaker) signal. Please connect the alarm system as following figure.

8.1. 4 CH Triplex DVR



8.2. 8 CH Triplex DVR



Start up the DVR System

After the unit is properly installed, the DVR unit is ready to record and play. Then apply power by turn on the power switch.

After the unit is powered on, the unit will check HDD for several seconds, and then the unit will enter into real-time display mode shown as the following screen:



1. Commands

1.1. Video loss

If the display shows "VIDEO LOSS-CHx", it means there is no video signal input. Please make sure the video cable and camera are well installed.

1.2. Operating Buttons

 : Press it to enter the main menu or and exit the menu.

▲ / ▼ (↑ / ↓): Up / Down – To move up/down through the list of menu. Also used to select menu options or change the DVR configuration values.

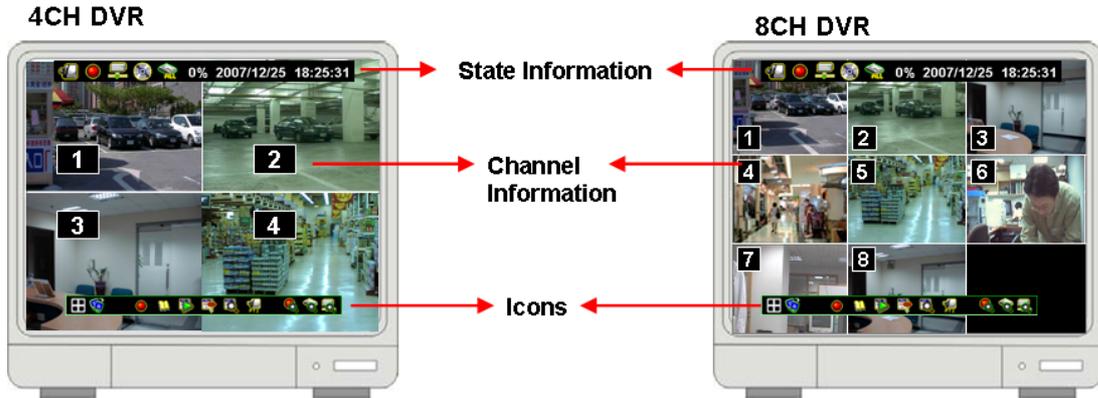
◀ / ▶ (◀ / ▶): Left/Right – To move left/right through the list of menu.

↵: Select / Enter - To Enter menu list or select DVR configuration values

1.3. Mouse Operating

1.4.





1.5. State Information



There are state informations on the upper of the screen to show the system status .

-  : Camera on line.  : Camera signal loss
-  : Recoding  : Stop Recording
-  : Network acting  : Network no connection
-  : CD / CDRW
-  : HDD Status  : 1st Hard drive  : 2nd Hard drive
-  : USB disk
-  : Overwrite the hard drive when Hard drive is full.
- XX%**: Recording Capacity of Hard drive (show by %)
- 2007/12/25**: Date
- 18:25:31**: Time
-  : Channel Rotation

1.6. Icons

There is a control bar with several icons will display by press “↓” (Select) or move the cursor down.



 : 4 Split View (4ch dvr)  : 9 Split View (8ch dvr)

 : Auto channel rotation (from 1~4 or 1~8)

 : Start recording  : Stop recording

 : Enter Main menu

 : Play menu(Playback), To play the recorded data.

 : Archive Menu, To save the configuration (Available Soon)

 : Event search. To search the events

 : Pan/Tile/Zoom Control. To control the P/T/Z camera

 : Record Information

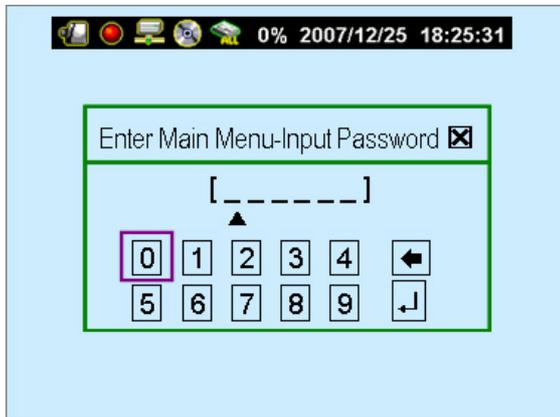
 : Hard drive Information

 : Network Information

2. Main Menu

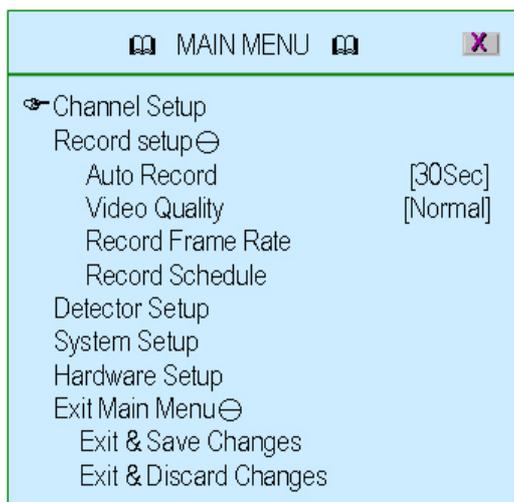
Press  to enter the “main menu”, it will show the password input inquiry as following.

Please enter six numbers by controls on front panel (by using /  {  /  }) and ) or the buttons (number 1~16) on IR remote. Default password is “123456”.



 **ESC/Discard:** To escape this menu by only using USB mouse

After enter the main menu password, it goes into the main menu for DVR setup



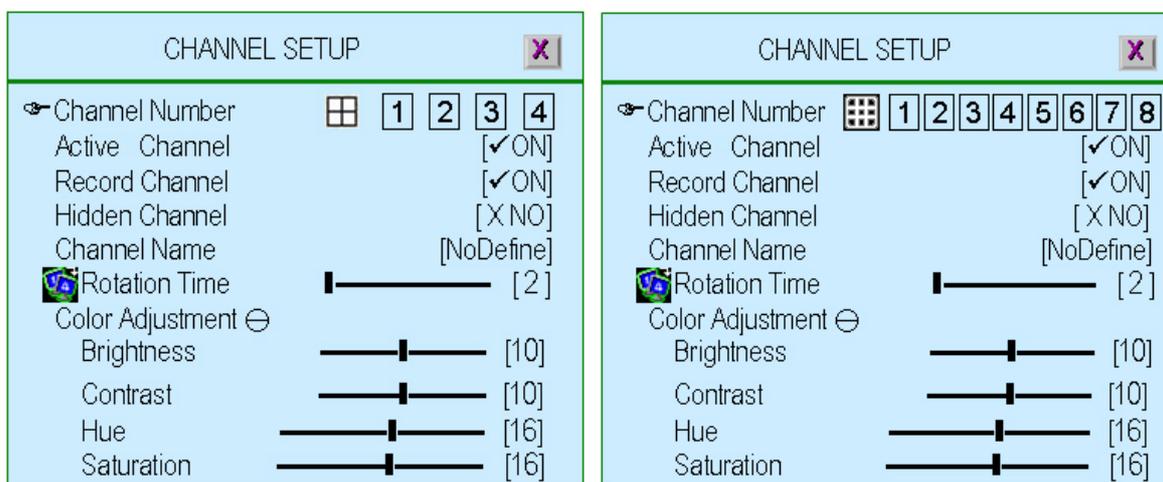
- ◆ **Channel Setup:** To select or specify the channel for display/record.
- ◆ **Record Setup:** To setup recording status of the channel which has been selected at “Channel Setup”.
- ◆ **Detector Setup:** To select the channel would like to be detected. Also to setup all the detection/sensor status.
- ◆ **System Setup:** To setup the DVR system configuration including of date/time, button beep, input device speedetc.
- ◆ **Hardware Setup:** To update the firmware and to setup the input/output device configuration such as disk drive, network, display and audio
- ◆ **Exit Main Menu:** To exit the main menu

3. Channel Setup

Press  to enter the “Channel setup” as following.

(4ch DVR)

(8ch DVR)



3.1. Channel Number

To select or specify the channel for displaying/recording.

”/” (default) (Full screen mode): you can view / record all channels (4 or 8) on the screen of full-screen

”1,2,3,4” or ”1,2,3,4,5,6,7,8”: you can view / record each channel (4 or 8) be selected on the screen

3.2. Active Channel

To set the channel been selected at “Channel Number” to both display on screen and record or not.

“ON” – Display on screen, Channel Number color turns to red

“OFF”- No display on screen. Channel Number color turns to white

It can be setup each channel separately by choosing the dedicated channel at “Channel Number”. Or to choose ”/” for all channels

3.3. Record Channel

To set the channel been selected at “Channel Number” to be recorded or not.

“ON” – recording, “OFF”- No recording

It can be setup each channel separately by choosing the dedicated channel at “Channel Number”. Or to choose ”/” for all channels

3.4. Hidden Channel

To set the channel been selected at “Channel Number” to display on screen or not.

But it does not matter with recording mode.

“ON” – Hidden the channel on screen you choose, Channel Number color turns to grey. The recording function is acting.

“OFF”- Not hidden

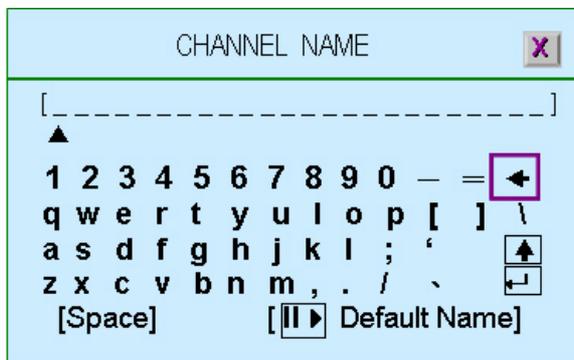
It can be setup each channel separately by choosing the dedicated channel at “Channel Number”. Or to choose “/” for all channels

3.5. Channel Name

To specify the channel name with 24 characters (max.)

Press “” (Play) :There are several channel name: “Room”, Hall”, ” Door”, “Lift”, “Area”, “Floor”, “Entry”, “Point” for use.

Or you can define the name by using keyboard, controls on front panel or buttons on IR remote:  /  ( / ) – move up / move down, / ( / ) : move left / move right to the character would like to be selected and press “” to select as shown at following figure The channel name will show on the top of the Channel Number.



3.6. Rotation Time

To setup how long to display each channel on full screen from 2~30sec.

3.7. Color Adjustment

To setup the video quality of display.

- ◆ **Brightness:** Press “” button to change (1~20). Default is 10
- ◆ **Contrast:** Press “” button to change (1~20). Default is 10
- ◆ **Hue:** Press “” button to change (1~32). Default is 16
- ◆ **Saturation:** Press “” button to change (1~32). Default is 16

4. Record Setup

Press  to enter the "Record setup" as following.



4.1. Auto Record

To setup the recording time period by 0sec(OFF), 10sec, 20sec, 30sec, 40sec, 50sec or 60sec.

Auto record will help you to re-start the recording automatically in case of abnormal shut down.

4.2. Video Quality

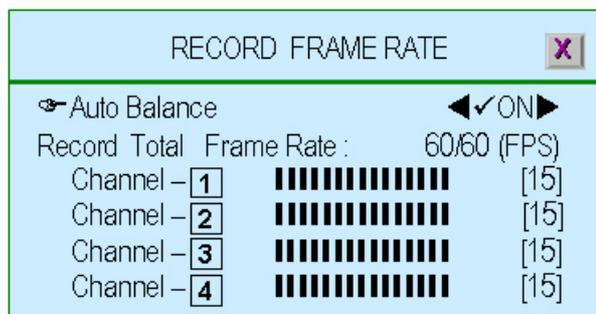
There are three different image video quality settings: NORMAL, LOW, HIGH.

Default is NORMAL. Higher the video quality is the clearer images the unit plays.

But occupy larger recording size on HDD.

4.3. Record Frame Rate

Setup the recording frame rate for each channel.



4.3.1. Auto Balance

To setup all channel recording frame rate and keep each channel's frame rate in balance.

When Trigger mode is ON, the active channel has been detected will occupy all record frame rate.

4.3.2. Record Total Frame Rate

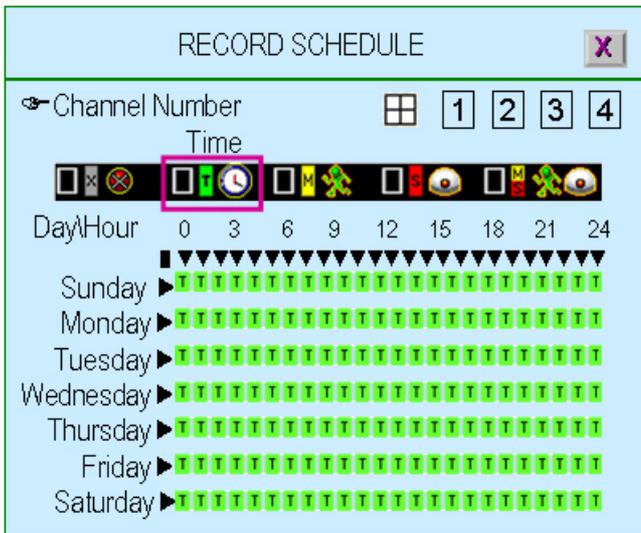
To setup each channel's recording frame rate in separately.

For 4ch DVR, Total frame rate is 60FPS (Frame Per Second), each channel is 15fps in balance as default

For 8ch DVR, Total frame rate is 56/60FPS (Frame Per Second), each channel is 7fps in balance as default

4.4. Record Schedule

To setup the recording schedule during one week from Sunday to Saturday
Each day is 24-hour.



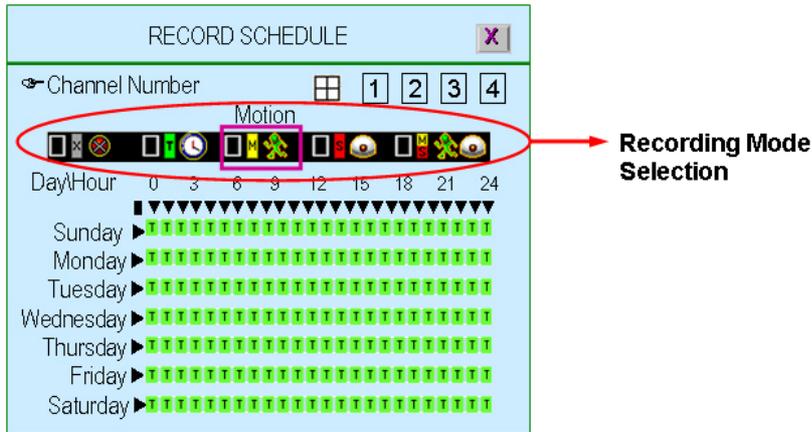
◆ Channel Number

To setup the channel recording schedule.

”/””: All channels will be set at the same recording schedule.

”1,2,3,4” or ”1,2,3,4,5,6,7,8””: To setup each channel recording schedule

◆ **Recording Mode Select**



There are five recording modes for selection: None, Time, Motion, Sensor and Motion&Sensor.

“◀/▶(◀ / ▶)” : To move left or right,

“↵” :To select the mode.



None : Recording is off during this duration.

Time : Indicates to record by time schedule

Sensor : Indicates to record by sensor trigger. It means the unit starts recording as the attached sensors being triggered during this period.

Motion : Indicates to record by motion detection.

Motion&Sensor : Indicates to record by both motion detection and sensor trigger..

◆ **Recording Schedule**

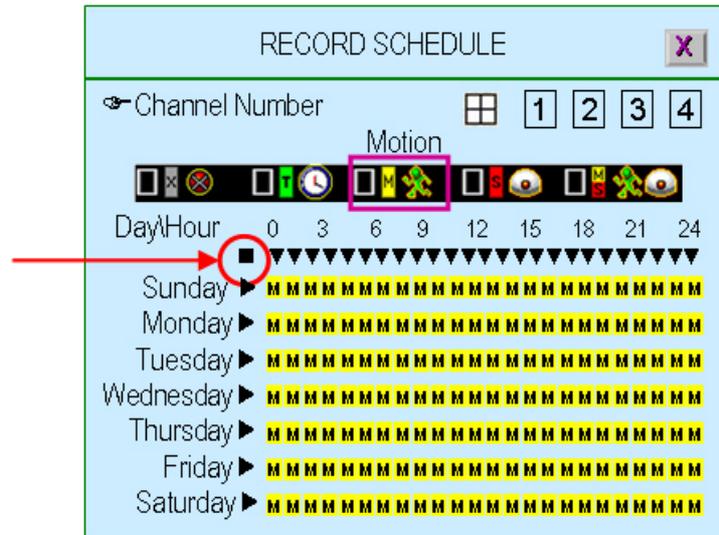
“◀/▶(◀/▶)” : To move left or right.

“↵” :To select the mode.

“▲ ▼ (↑/↓)” : To move up or down.

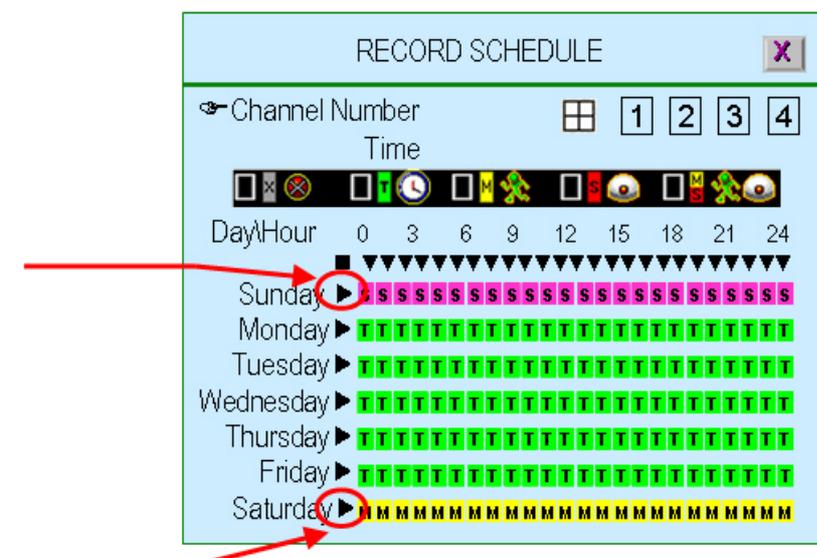
To set all 7-days /24hours at the same configuration by select “■”

For example, choose “Motion” mode for all 7-days by move to “■” and press”↵”:

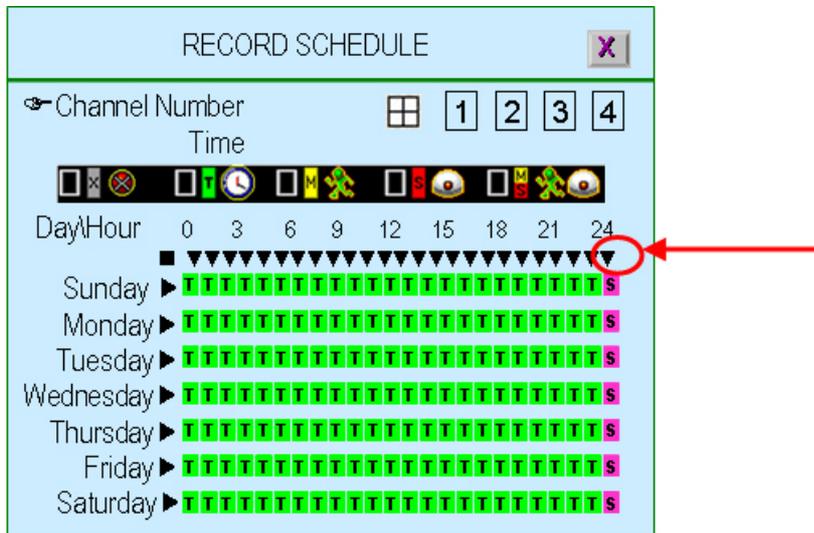


To set one whole day at the same configuration by select “▶”

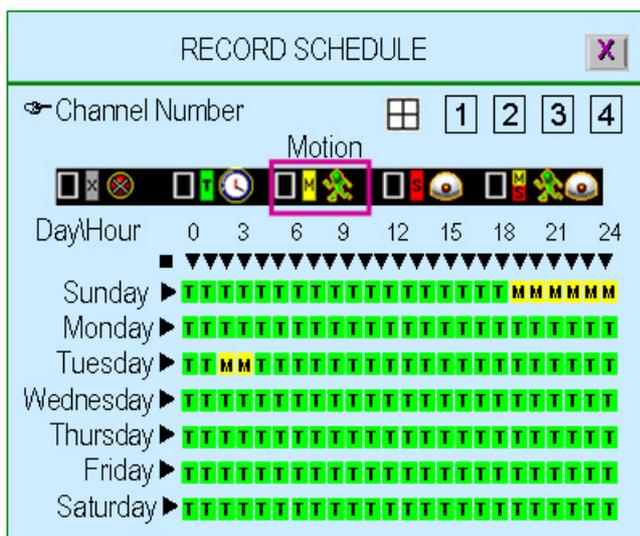
For example, Sunday is set to “Sensor” mode and Saturday to “Motion mode”



To set the specified time for each day at the same configuration by select “▼”
 For example, the time frame 23:00-24:00 is set to “Sensor” mode for whole week.

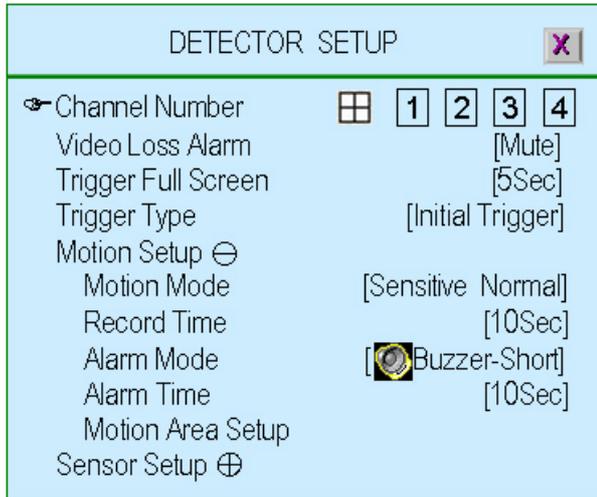


To set any time (by hour) for each day, just move to the desired daytime and select after setting the desired recording mode
 For example, “Motion” mode at Sunday 19:00~24:00 and Tuesday 2:00~4:00 as following



5. Detector Setup

This menu is to adjust the motion detection sensitivity of each channel



5.1. Channel Number

To select or specify the channel for detection.

”/” (default) (Full screen mode): you can detect all channels (4 or 8) on the screen of full-screen

“**1,2,3,4**” or “**1,2,3,4,5,6,7,8**”: you can detect each channel (4 or 8) be selected on the screen

5.2. Video Loss Alarm

To select or specify the channel for detection.

“**Mute**”: No beep whatever video loss or not.

“ **Buzzer-Short**”: Beep shortly by buzzer on main board when video loss.

“ **Buzzer-Long**”: Beep long by buzzer on main board when video loss.

“ **Alarm-Short**”: Beep shortly by speaker of system when video loss.

“ **Alarm-Long**”: Beep long by speaker of system when video loss.

5.3. Trigger Full Screen

To display the trigger channel on full screen when it act as 1sec, 2sec ... or 30sec.

“ **OFF**” : It will not display on full screen when the channel has been triggered. Also, the trigger area will turn to “red-color”

5.4. Trigger Type

There are two trigger types: “Initial Trigger” and “Continuous Trigger” for selection.

Initial Trigger: When channel has been triggered, it will display on full screen as the setting time period. In that time period, this channel will ignore any other trigger.

Continuous Trigger: When channel has been triggered, it will display on full screen as the setting time period. In that time period, this channel is still watching out. If another trigger act, the channel will display on full screen and count all over again by the setting time period.

5.5. Motion Setup

To setup motion detector configuration

5.5.1. Motion Mode

To select the motion sensitivity scale as “Sensitive OFF”, “Sensitive Low”, “Sensitive Normal”, “Sensitive High” or “Sensitive Highest”.

“**Sensitive OFF**”: No sensitivity

“**Sensitive Low**”: Low sensitive level

“**Sensitive Normal**”: Normal sensitive level

“**Sensitive High**”: High sensitive level

“**Sensitive Highest**”: The highest sensitive level

5.5.2. Record Time

To set the motion’s record time as 5sec, 10sec, 15sec, 20sec, 25sec, 30sec, 45sec, 60sec, 90sec, 120sec, 150sec or 180sec

5.5.3. Alarm Mode

To set the motion detector alarm mode.

“**Mute**”: No beep whatever detecting.

“ **Buzzer-Short**”: Beep shortly by buzzer on main board when detection is active

“ **Buzzer-Long**”: Beep long by buzzer on main board when detection is active

“ **Alarm-Short**”: Beep shortly by speaker of system when detection is active

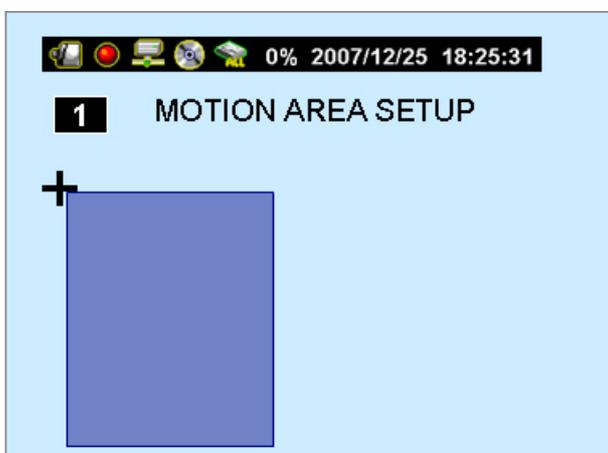
“ **Alarm-Long**”: Beep long by speaker of system when detection is active

5.5.4. Alarm Time

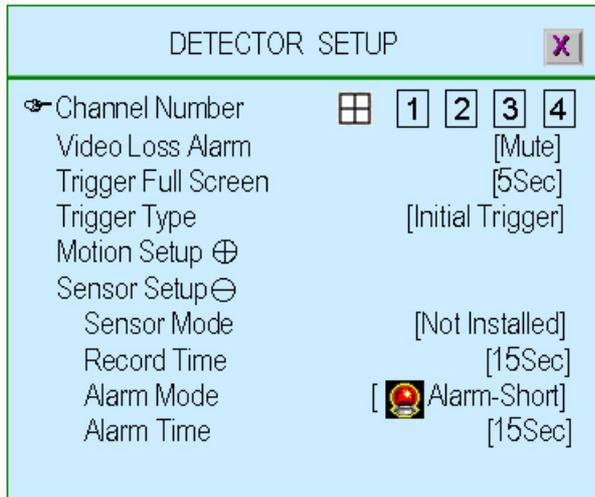
To Setup the time period of beep by “Nonstop”(no stop), 5sec, 10sec, 15sec, 20sec, 25sec, 30sec, 35sec, 40sec, 45sec, 50sec, 55sec or 60sec

5.5.5. Motion Area Setup

Block one area on screen for each channel as motion detection area. It can be done by mouse or by using ▲(↑), ▼(↓), ◀(←), ▶(→) buttons (up/down/left/right) to move the area. After positioning, press “📖” and save it



5.6. Sensor Setup



5.6.1. Sensor Mode

To set the sensor mode as “Not Installed”, “Normal-Open” or “Normal-Close”.

5.6.2. Record Time

To set the sensor’s record time as 5sec, 10sec, 15sec, 20sec, 25sec, 30sec, 45sec, 60sec, 90sec, 120sec, 150sec or 180sec.

5.6.3. Alarm Mode

To set the motion detector alarm mode.

“**Mute**”: No beep whatever detecting.

“ **Buzzer-Short**”: Beep shortly by buzzer on main board when detection is active

“ **Buzzer-Long**”: Beep long by buzzer on main board when detection is active

“ **Alarm-Short**”: Beep shortly by speaker of system when detection is active

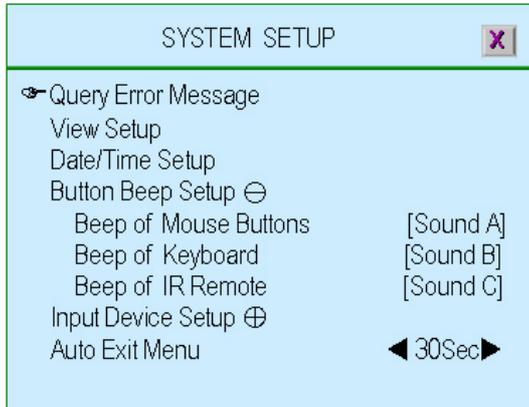
“ **Alarm-Long**”: Beep long by speaker of system when detection is active

5.6.4. Alarm Time

To Setup the time period of beep by “Nonstop”(no stop), 5sec, 10sec, 15sec, 20sec, 25sec, 30sec, 35sec, 40sec, 45sec, 50sec, 55sec or 60sec

6. System Setup

To set up the Password, time, date and button beep...etc.



6.1. Query Error Message

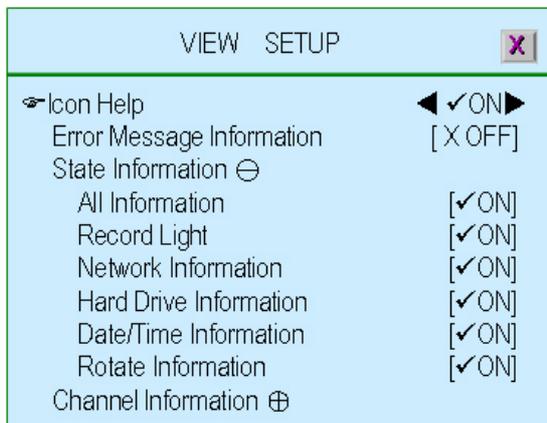
The listing of DVR error message.

“ || ▶ ” (Play) : Clear all error messages. “ [4x4] [4x4] ” : Show error message with time



6.2. View Setup

To setup the illustration and DVR information will be displayed or not.

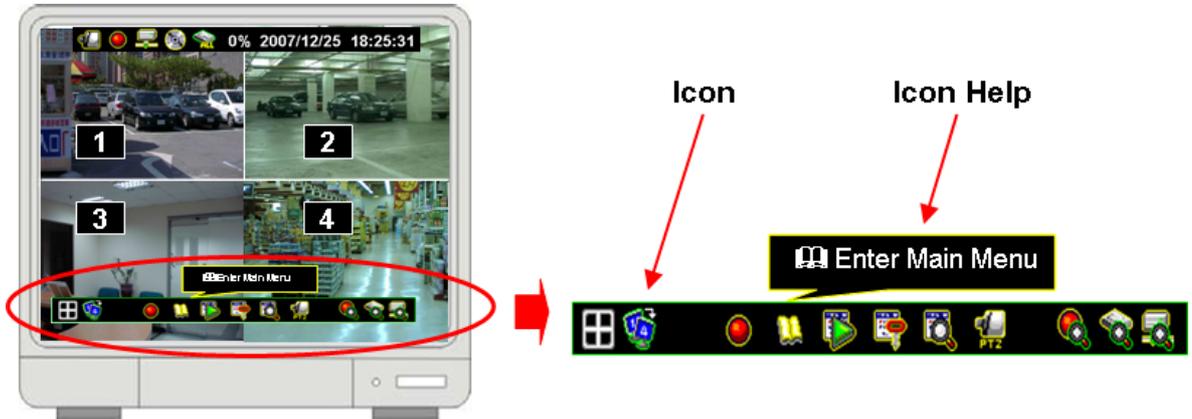


6.2.1. Icon Help

“ON” - Icon help will be shown,

“OFF” –Icon help will not be shown

Please refer to 1.5 Icons for more detail information



6.2.2. Error Message Information

“✓ON” - Save/display the error message

“XOFF” – Without save/Display the error message

6.2.3. State Information

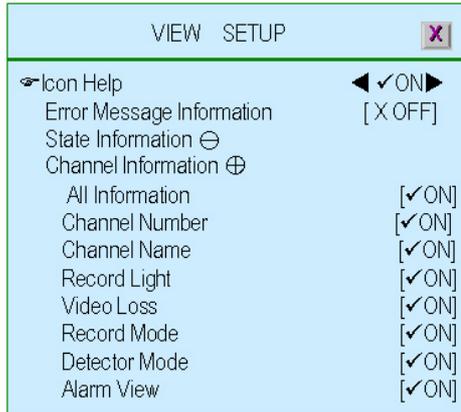
System status information, it includes record light, network information, hard drive information, date/time information and rotate information. All information can be set separately to be seen or not.

Please refer to 1.4 State Information for more details.



6.2.4. Channel Information

Channel information includes channel number, channel name, record light, video loss, record mode, detector mode and alarm view. All information can be set separately to be seen or not.



1, 2, 3, 4, 5, 6, 7, 8 ; Channel Number



: Recording status



: Video Signal Status



: Detection mode and status (Flash if sensor has been triggered)



: Alarm Active



: Buzzer active

6.3. Date/Time Setup

To setup the date and time

DATE/TIME SETUP	
☛ Date View Mode	◀ YYYY/MM/DD ▶
Time Set	[2007/12/25 18:30:50]
Time Zone	[GMT+08:00] [Taipei]
Daylight Saving Time ⊖	
Daylight Saving Active	[Disable]
Time Starts	[NoDefine]
Time Ends	[NoDefine]
NTP Server ⊕	

6.3.1. Date View Mode

To display the date/time format on state information by DD/MM/YYYY, MM/DD/YYYY or YYYY/MM/DD. (YYYY-Year, MM-Month, DD-Day)

6.3.2. Time Set

To setup the day / time.

☛ Time Set	[2007/12/25 18:30:50]
------------	-----------------------

▲ / ▼ (↑ / ↓): Up / Down – Change the number

◀ / ▶ (◀ / ▶): Move left/right to the character that need to change

☐ : Exit after confirmed setting

6.3.3. Time Zone

To set the time zone where you are located.

6.3.4. Daylight Saving Time

To set daylight saving time period by specify Month, Week, Day and Hour

Time Ends	
☛ Month	◀ October ▶
Week	[First Week]
Day	[Sunday]
Hour	[0]

Time Starts	
☛ Month	◀ March ▶
Week	[First Week]
Day	[Sunday]
Hour	[0]

6.3.5. NTP Server

Synchronize DVR day/ time to NTP server through internet.

DATE/TIME SETUP	
← Date View Mode	◀ YYYY/MM/DD ▶
Time Set	[2007/12/25 18:30:50]
Time Zone	[GMT+08:00 [Taipei]
Daylight Saving Time	⊕
NTP Server	⊖
Server Active	[✓ Enable]
Server IP	[time.stdtime.gov.tw]
Interval (Days)	[3Day]
Synchronize Now	

- ◆ **Server Active:** “✓Enable”-To set this function available. ” X Disable”- Ignore this function
- ◆ **Server IP:** The IP address of NTP server
- ◆ **Interval (Days):** Set how many days to synchronize
- ◆ **Synchronize Now:** Select it to start Synchronizing the NTP server

6.4. Button Beep Setup

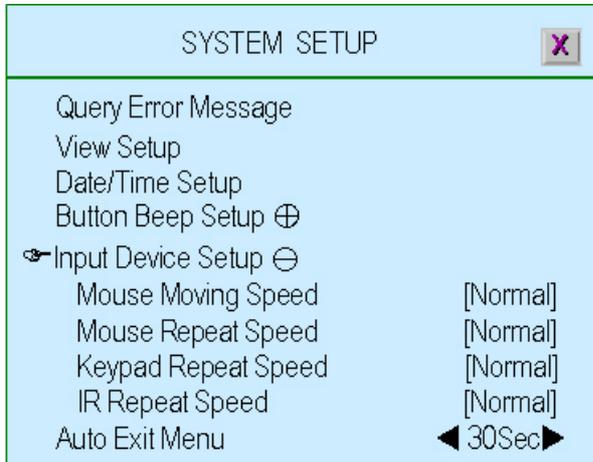
To setup the beep type when press the button of mouse, keypad or IR remote.

There are four modes: mute, sound A, sound B, sound C

SYSTEM SETUP	
← Query Error Message	
View Setup	
Date/Time Setup	
Button Beep Setup	⊖
Beep of Mouse Buttons	[Sound A]
Beep of Keyboard	[Sound B]
Beep of IR Remote	[Sound C]
Input Device Setup	⊕
Auto Exit Menu	◀ 30Sec ▶

6.5. Input Device Setup

To setup the speed of input device: mouse, mouse repeat, keypad and IR remote as Low, normal or fast

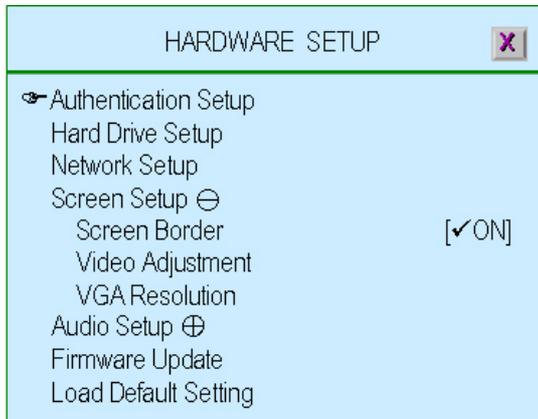


6.6. Auto Exit Menu

To setup the time period to exit menu automatically by choose "OFF" (not exit unless pressing "☰"), 10sec, 20sec, 30sec, 40sec, 50sec or 60sec.

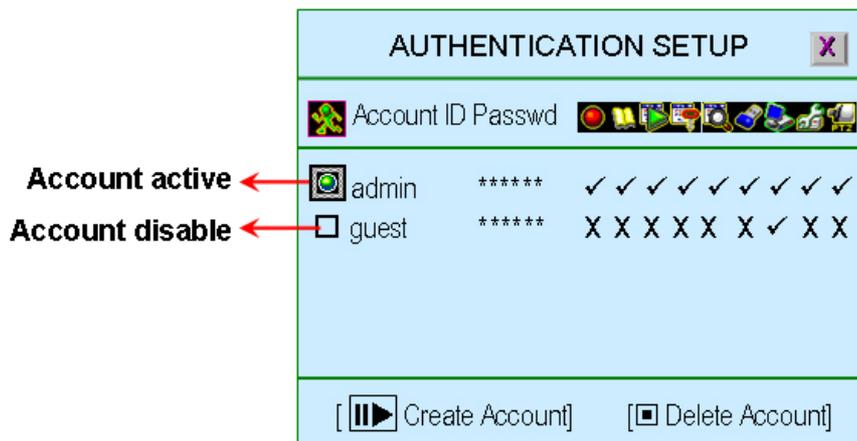
7. Hardware Setup

Press  to enter the "Hardware Setup".



7.1. Authentication Setup

Specify the limits of authority of user and set its own password.



"||▶": To create a new account. "◻": To delete account.

"◀◀ (◀), ▶▶ (▶)" Set account within certain limits by set it as "✓" or no permitted as "X"

(Account Active): The account is active

(Account Disable): The account is not active

Account ID (account name): Enter characters as account ID

Passwd (Password): By entering six characters or numbers as password.

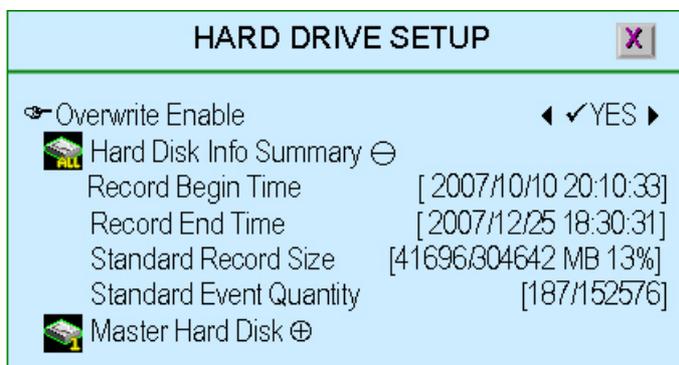
The password will replace by "*****" when any user login from network.

Remark:

- ◆ If all accounts are disabled or no account has been created, there is no authority issue for the DVR system
- ◆ If one function has been disable for all users. It means that function do not need password for setting.

7.2. Hard Drive Setup

To set up the hard drive information and overwriting function



7.2.1. Overwrite enable

“✓YES” : Enable to overwrite hard drive when capacity is full

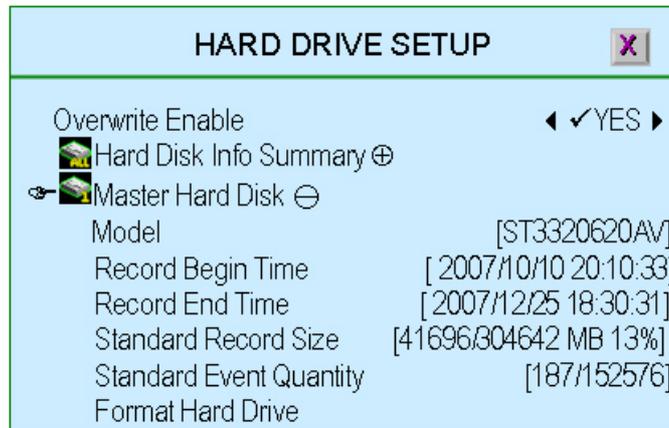
“X NO” : Not permit to overwrite hard drive when capacity is full.

7.2.2. Hard Disk Info Summary

All hard drive Information in summary

- **Record Begin Time**: The starting day/time of hard drive recording
- **Record End Time**: The latest day/time of hard drive recording
- **Standard Record Size**: The recorded Capacity / Total hard drive capacity by Mega-byte. Also show up the % of how much capacity has been used.
- **Standard Event Quantity**: The capacity has been record of event / Total capacity for event.

7.2.3. Master Hard Disk



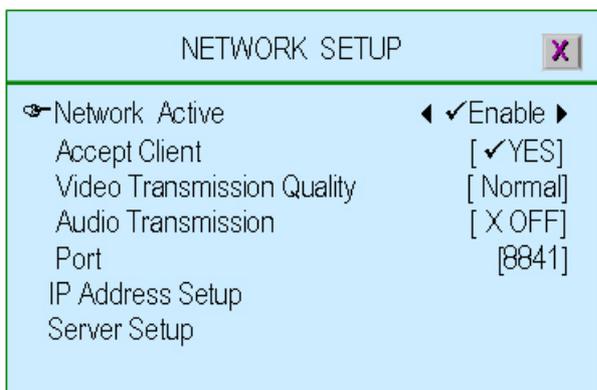
The Mater hard drive Information in summary

- **Model:** Model of master hard drive.
- **Record Begin Time:** The starting day/time of hard drive recording
- **Record End Time:** The latest day/time of hard drive recording
- **Standard Record Size:** The recorded Capacity / Total hard drive capacity by Mega-byte. Also show up the % of how much capacity has been used.
- **Standard Event Quantity:** The quantity has been record of event / Total quantity for event.
- **Format Hard Drive:** To format the hard drive. If the system is running at recording mode, it is not permitted to format the hard drive and show a warning ...

**System is Recording
Hard Disk Fromat is Prohibited**

7.3. Network Setup

To set up Network configurations



7.3.1. Network Active

Enable/disable the network before use.

“ ✓ Enable ” : Network is permitted to be used

“ X Disable ” : Network is not permitted to be used

7.3.2. Accept Client

“ ✓ YES ” to enable the network client function.

“ X NO ” means there is no network client available.

7.3.3. Video Transmission Quality

Setup the quality of Video Transmission as High, Normal or Low.

7.3.4. Audio Transmission

“ ✓ ON ” : Enable the audio transmission.

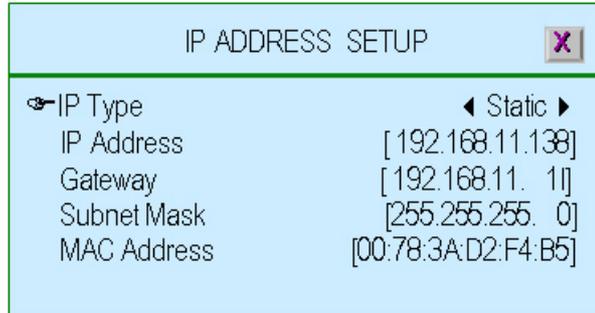
“ X OFF ” : Disable the audio transmission

7.3.5. Port

Assign a communication port (a series of number).

7.3.6. IP Address Setup

The IP address acts as a locator for one IP device to find another and interact with it.



The screenshot shows a dialog box titled "IP ADDRESS SETUP" with a close button (X) in the top right corner. The dialog contains the following fields and values:

Field	Value
IP Type	Static
IP Address	[192.168.11.138]
Gateway	[192.168.11. 1]
Subnet Mask	[255.255.255. 0]
MAC Address	[00:78:3A:D2:F4:B5]

There are two kinds IP types: Static IP address and Dynamic IP address (DHCP and PPPoE) for selection.

◆ **Static IP Address:** When a computer uses the same IP address every time it connects to the network, it is known as a Static IP address. Static IP addresses are manually assigned to a computer by an administrator.

◆ **DHCP:** With dynamic IP addresses, where an IP address is automatically assigned to a computer by a remote server which is acting as a Dynamic Host Configuration Protocol (DHCP) server.

◆ **PPPoE:** Dialup and some broadband networks do not use DHCP, but instead use the dynamic IP addressing capability of the Point-to-Point Protocol over Ethernet.

◆ **GATEWAY:** Gateway IP address, please check with your M.I.S staff or administrator to enter the setting.

◆ **SUBNET MASK:** Subnet mask is a range of logical addresses that is assigned to an organization. Please check with your M.I.S staff or administrator to enter the setting.

◆ **MAC Address:** It is a number that acts like a name for a particular network adapter. It has been set at dedicated address even reset the DVR.

7.3.7. Server Setup

To setup the server configuration.

SERVER SETUP	
☛ Default DNS Address	[168.95.192.1]
Custom DNS Address	[168.95.1.1]
WEB Server ⊖	
Service Active	[<input checked="" type="checkbox"/> Enable]
Port	[80]
Upload IE ActiveX File	
Dynamic DNS ⊕	
Name Server ⊕	

- ◆ **Default DNS Address:** The Domain Name system (DNS) translate hostnames to IP addresses (default setting)
If there is no customer DNS address setting or fail, DVR will go for Default DNS Address.
- ◆ **Custom DNS Address:** The Domain Name system (DNS) translate hostnames to IP addresses (customer setting).
- ◆ **WEB Server:** DVR WEB Server response the requests from browsers, and serve remote monitoring through IE Browser.

SERVER SETUP	
☛ Default DNS Address	[168.95.192.1]
Custom DNS Address	[168.95.1.1]
WEB Server ⊖	
Service Active	[<input checked="" type="checkbox"/> Enable]
Port	[80]
Upload IE ActiveX File	
Dynamic DNS ⊕	
Name Server ⊕	

“**Service Active**”: Enable the Web Server service.

“**Port**”: Assign a port as the Web Server

“Upload IE ActiveX File”: Upload Active-X component to DVR for PC (IE Browser) using.

To get Active-X component from CD as attached and save it into USB disk.

Then plug the USB disk into DVR for installation.

Upload IE ActiveX File 	
Current Revision : V2.36 (604445 Bytes) Current Date/Time: Dec.21 2007 06:03:48 Current Language: English Current Checksum: 0x048193FE	
File Name : INST4TWN.EXE File Revision: File Date/Time: File Language: File Checksum:	
Plug USB Disk	

◆ **Dynamic DNS:**

Dynamic DNS is a system which allows the domain name data held in a name server to be updated in real time.

SERVER SETUP 	
Default DNS Address	[168.95.192.1]
Custom DNS Address	[168.95.1.1]
WEB Server ⊕	
☞ Dynamic DNS ⊖	
Service Active	[X Disable]
Provider	[www.dyndns.org]
Server Name	[NoDefine]
Account	[NoDefine]
Password	[NoDefine]
Name Server ⊕	

“Service Active”: Enable the Dynamic DNS service.

“Provider”: The web site / IP Address of Dynamic DNS provider

“Server Name”: To define a name of Dynamic DNS

“Account”: The account name of Dynamic DNS

“Password”: Password for Dynamic DNS

Please refer to **DDNS Service**

- ◆ **Name Server:** Name Server implements a name-service protocol

SERVER SETUP	
Default DNS Address	[168.95.192.1]
Custom DNS Address	[168.95.1.1]
WEB Server ⊕	
Dynamic DNS ⊕	
☛ Name Server ⊖	
Service Active	[X Disable]
DVR ID On Lan	[NoDefine]
IP Address	[NoDefine]
Port	[8880]
Update Interval	[10Sec]

“**Service Active**”: Enable the Name Server

“**DVR ID on LAN**”: The DVR ID on LAN

“**IP Address**”: The IP address of Name Server

“**Port**”: The Port of DVR on LAN

“**Update Interval**”: Time period to update data.

7.4. Screen Setup

To set the screen information

HARDWARE SETUP	
☛ Authentication Setup	
Hard Drive Setup	
Network Setup	
Screen Setup ⊖	
Screen Border	[✓ON]
Video Adjustment	
VGA Resolution	
Audio Setup ⊕	
Firmware Update	
Load Default Setting	

7.4.1. Screen Border



“✓ON” : To enable the border of screen,
“X OFF”: To disable the screen border.

7.4.2. Video Adjustment

Adjust the whole picture to right/left or up/down by press ◀/▶(◀ / ▶)
or ▲ / ▼ (↑ / ↓). “/” : Set it as default location

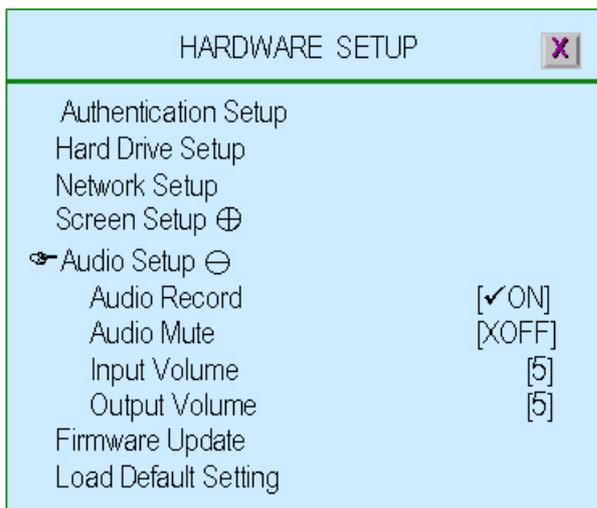


7.4.3. VGA Resolution

To choose the resolution of VGA as 640x480, 800x600, 1024x768 or 1280x1024.

7.5. Audio Setup

To setup the audio status including of audio record, audio mute, input volume and output volume.



7.5.1. Audio Record

“✓ON”: Enable audio recording.

“X OFF”: Disable audio recording

7.5.2. Audio Mute

“✓ON”: Switch on the audio function

“X OFF”: Switch off the audio function

7.5.3. Input Volume

Adjust the input volume of audio

“X OFF”: Turn off the audio input volume

“1,2,3,4.....10”: Audio input volume from small to aloud.

7.5.4. Output Volume

Adjust the output volume of audio

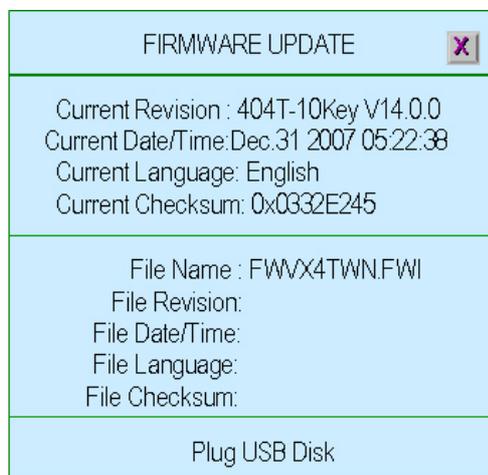
“X OFF”: Turn off the audio output volume

“1,2,3,410”: Audio output volume from small to aloud.

7.6. Firmware Update

To update or upgrade the DVR firmware by USB disk..

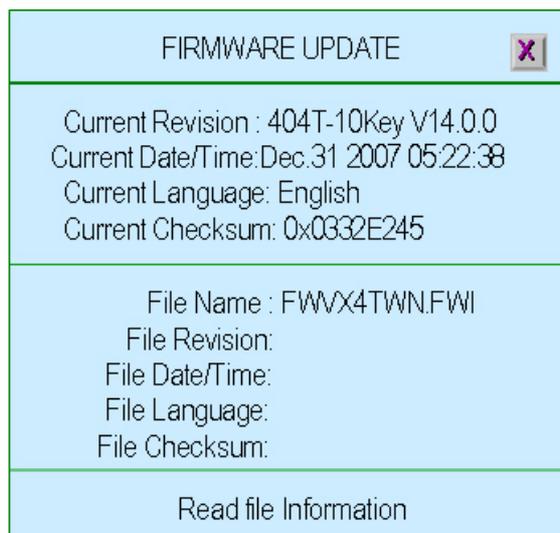
Plug the USB disk into USB port on DVR front panel



Plug the USB disk into USB port on DVR front panel

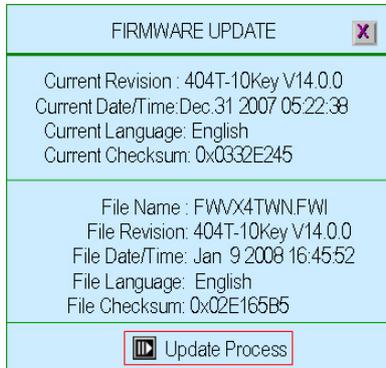


After plug in USB disk, it shows" **Read file Information**" on the button line

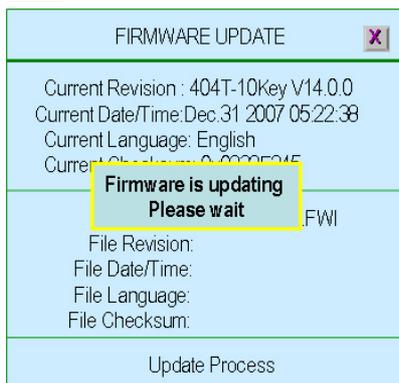


If something mistake for USB disk or file, it will show: **File not found or Disk Error** on the button line. Please check USB disk or file and plug in again.

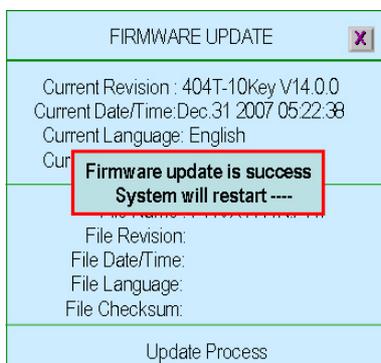
After complete the firmware reading, it shows “ Update Process” and blanking on the button line as following. Also, the updated firmware information will be listed. Press “” to start the procedure of firmware update



When DVR is updating the firmware, it shows “**Firmware is updating, Please wait**”



After firmware update is completed, it will show: **Firmware update is success, System will restart ----**” and restart DVR with the same configuration at previous version firmware does.

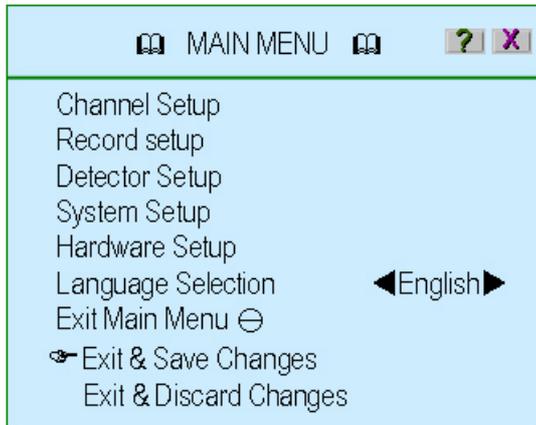


7.7. Load Default Setting

To reset all the DVR configuration as default setting.

8. Exit Main Menu

To exit menu and save / discard the changes.



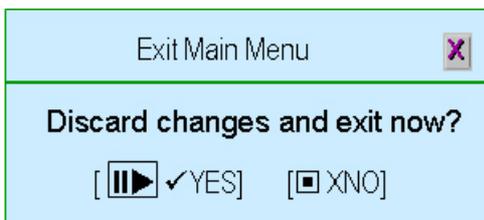
8.1. Exit & Save Changes

To Exit menu and save all configuration changes.



8.2. Exit & Discard Changes

To exit menu but without saving the configuration changes.



Playback

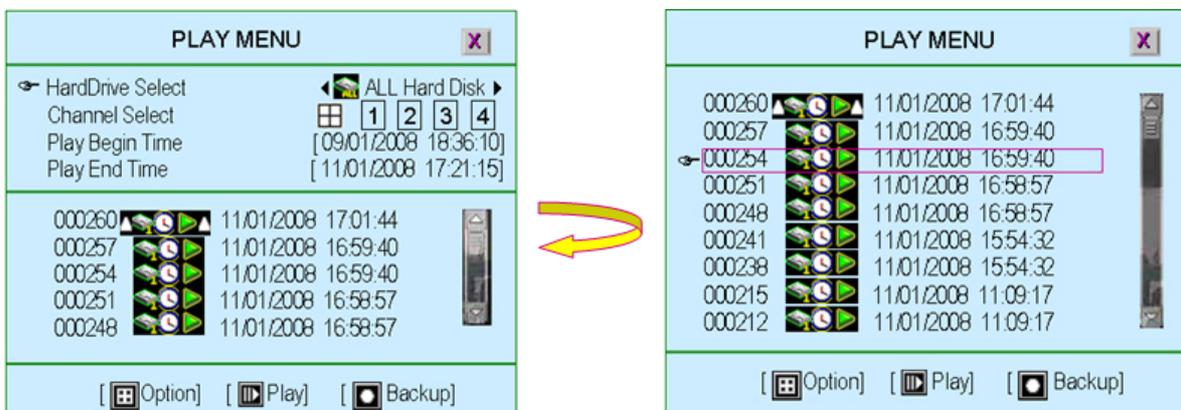
Press “▶” (or “▶▶”) button to enter the Play Menu



- ◆ **HardDrive Select:** To select or specify which hard drive's data will be playback.
- ◆ **Channel Select:** To setup or specify which channel's data will be playback
- ◆ **Play Begin Time:** To specify the beginning time to playback
- ◆ **Play End Time:** To specify the beginning time to playback.

The other area shows the recorded data for choosing to play.

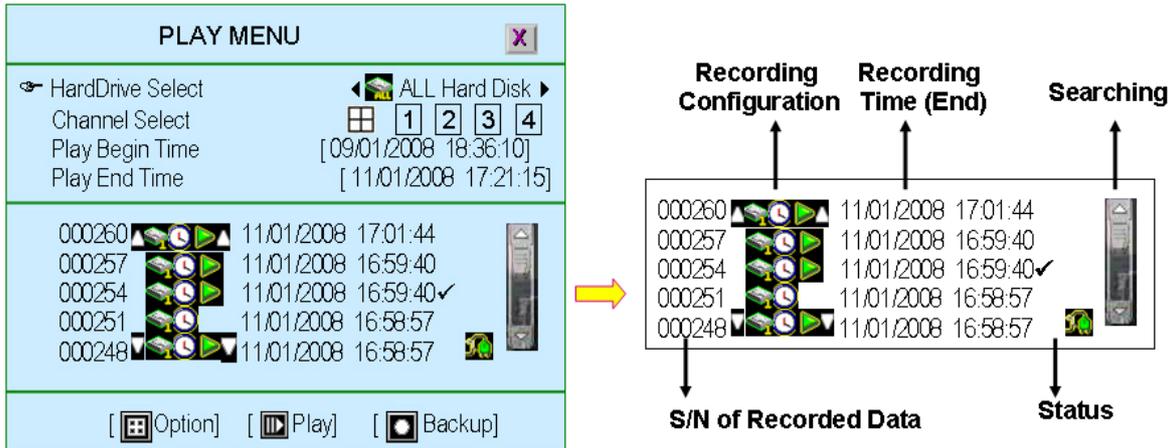
 **Option:** Window switching as following



 **Play:** Start to play the recorded data
After the data has been played, it will show “✓”

 **Backup:** To backup the recorded data. Please refer to “Backup” section

Commands and Recorded Data status:



◆ **S/N of Recorded Data:** Series Number of recorded data provide by system

◆ **Recording Configuration**

 /  : The beginning / end of recorded data.

 : The dedicated hard disk data

 : The recording mode

 : The data can be play.

If this icon does not show up, it means it is an event without video recording data.

◆ **Recording Time:** The date/time of recorded data

◆ **Status**

✓ : The recorded video data has been played.

 : Power-OFF event occur.

◆ **Searching:** A bar to search recorded data by mouse for more convenient.

Data Backup by USB

Press “▶” (or “⏪▶”) button to enter the Play menu.



- ◆ **HardDrive Select:** To select or specify which hard drive’s data will be backup
Use “▲▼ (↑/↓)” button and move to the dedicated recorded data that you want to backup Press “⏪▶” to enter the “Backup Menu” as following.

It shows the backup menu with Disk information on the upper area and the recorded data that you have selected at “Play Menu” at the lower area.



- ◆ **Hard Drive:** It has been selected at “Play Menu” to specify which hard drive’s data will be backup
- ◆ **Backup Device:** System offers two backup device selections: CDRW and USB disk. CDRW is executable only the DVR is equipped with CDRW.
- ◆ **Free Capacity:** System will count the free size of CDRW/USB automatically after inserting the backup device.

1. Backup by USB

The DVR support the data backup by USB memory stick on the front panel.

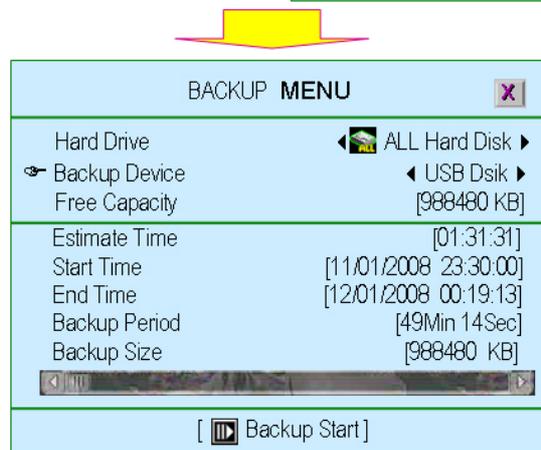
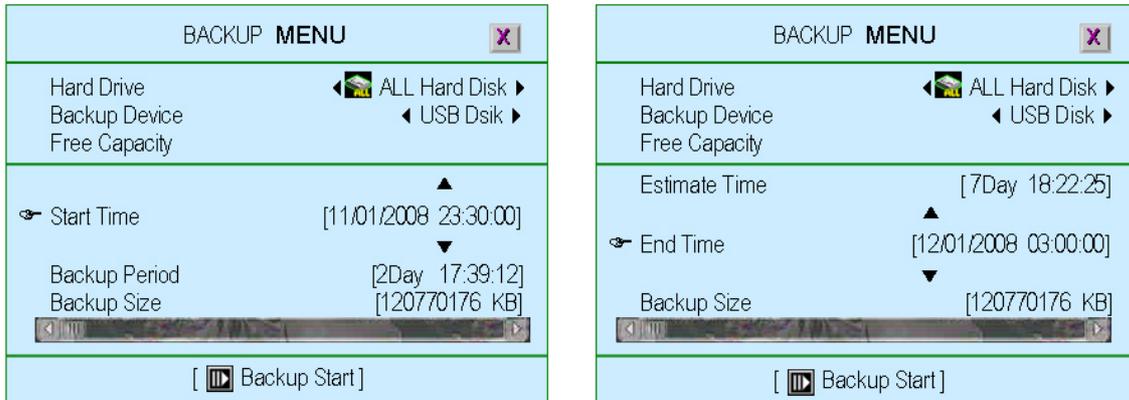


You can change the time period of recorded data for backup by setting the “Start Time” and “End Time” and plug in the USB disk.

The “Free Capacity”, “Estimate Time”, “Backup Period” and “Backup Size” will be changed automatically.

Also, it will correct the “Start Time” and “End Time” as the time period which has video recorded data.

Press “”, it start to backup data into USB disk.



2. Backup by CDRW

The DVR support the data backup by CDRW.

You can change the time period of recorded data for backup by setting the “Start Time” and “End Time” and put the CD into CDRW.

All the time setting is the same as USB backup.

CDRW takes more time to backup than USB does.

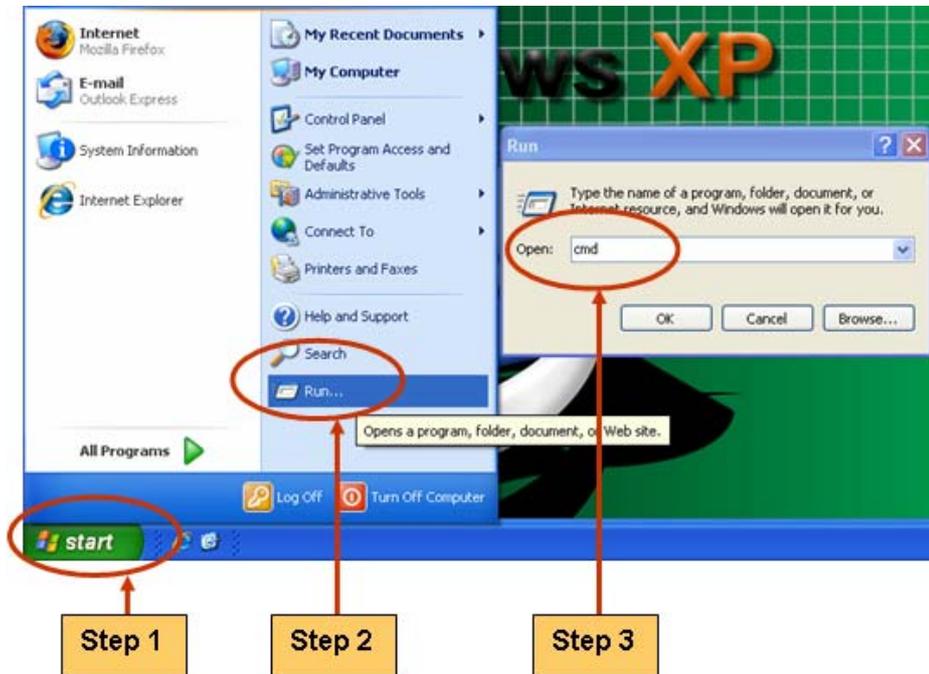


PC Connection through Local Area Network (network hub)

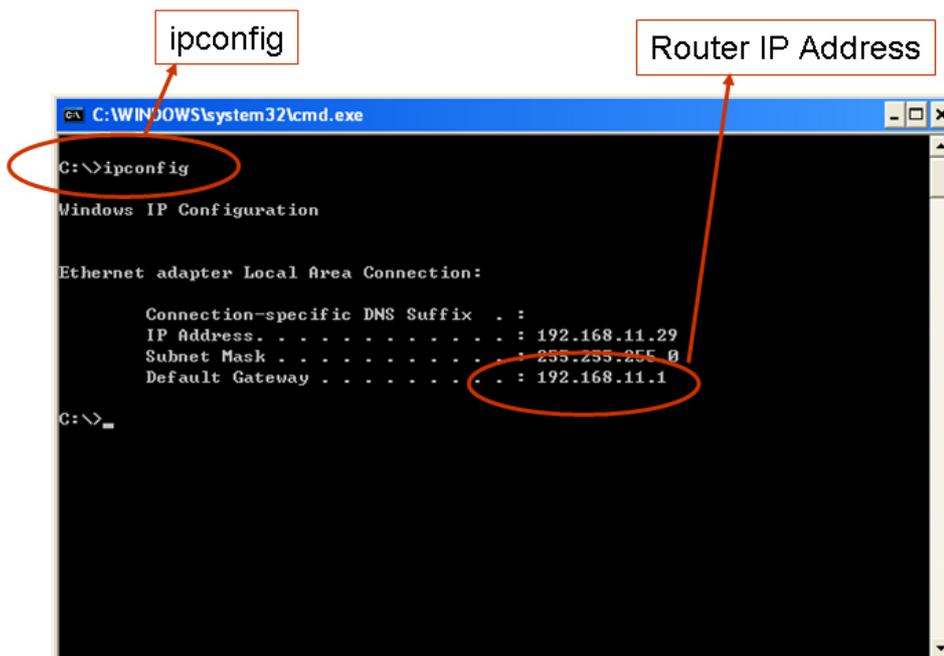
1. Search Router IP Address

Please click “Start” and then “Run” option under Windows.

Please enter “CMD” and then “OK”



Please enter “ipconfig” on DOS prompt, and then record the Address Number of Default Gateway as shown: It is the Router’s IP Address.



- Find out your DVR IP address



Because this Router IP address is 192.168.11.1 ,

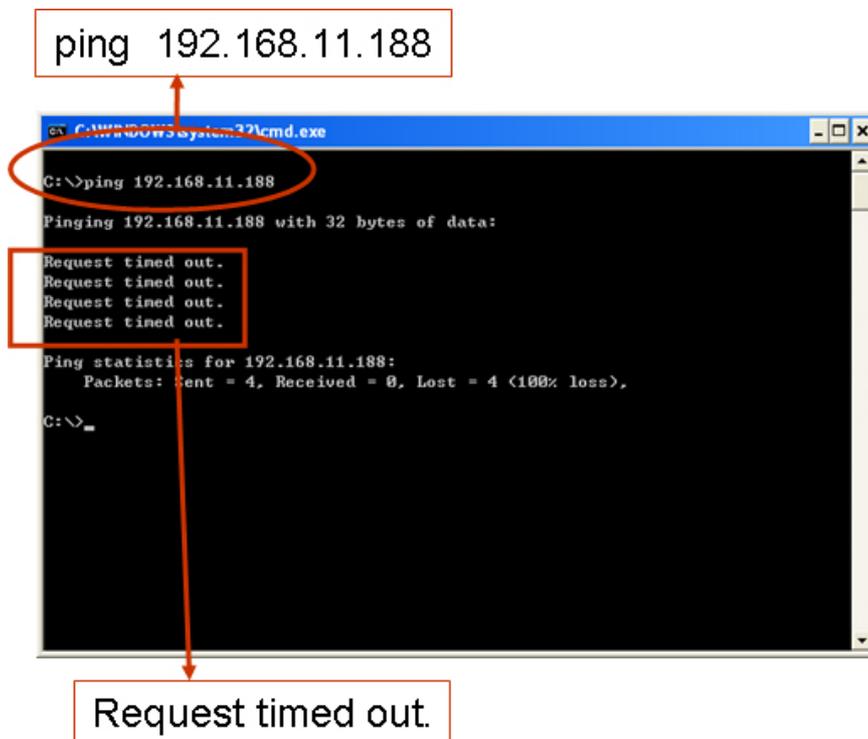
The network domain is 192.168.11.xxx ,

Generally usable IP Address is between 192.168.11.2~192.168.11.253 ,

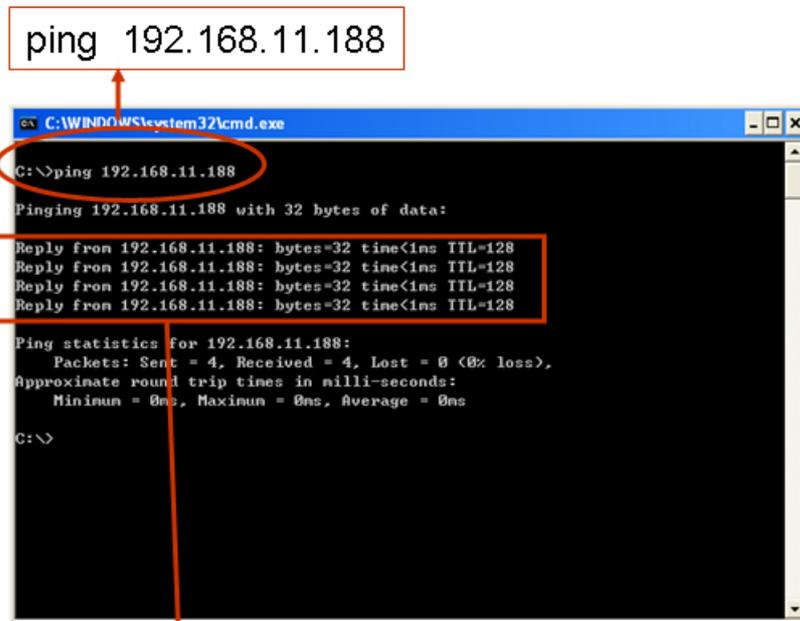
The suggested IP Address is from 192.168.11.160 to 192.168.11.199.

Please search IP Address that is not being used at present.

Please enter "ping 192.168.11.188" on DOS prompt (as following figure for reference)
If it appears "Request timed out" messages that means this IP address is not being used at the moment and can be used for the DVR



If it appears “Reply from 192.168.11.188: bytes=32 time<10ms TTL=128” messages as following that means this IP Address [192.168.11.188] has been used. Please try to find out another IP Address that is not being used.



Reply from 192.168.11.188: bytes=32 time<10ms TTL=128

Then, go back to DVR menu: “Network Setup” to enter IP address.

- IP ADDRESS: Enter the DVR’s address [192.168.011.188]
- GATEWAY: Enter Router IP Address[192.168.011.001]
- NET MASK: 255.255.255.0
- PORT: Enter the DVR’s port number [14338 14337]

2. DDNS Service

For DVR only can set at static IP address and no support the dynamic IP. If you have to use dynamic IP that it recommend serving as DDNS service.

DDNS is a service the maps internet domain names to IP address and works with dynamic IP address (assigned by ISP server).

Remark: A router is needed as the interface between PC and DVR when DVR is under internal network environment.

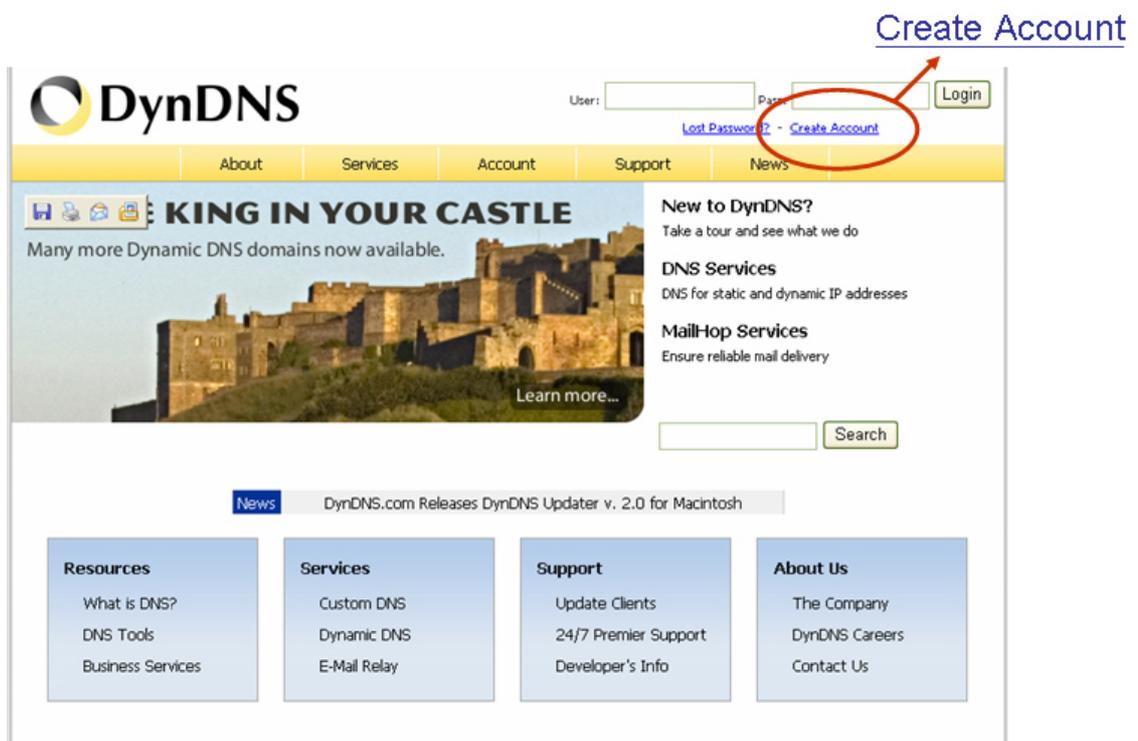
2.1. Registration of DDNS Service

There are three suggestions for DDNS:

www.no-ip.com, www.changeip.com and www.dyndns.com

The following will use DDNS website: <http://www.dyndns.com> as example.

Create Account at the first beginning after entering DynDNS (DDNS service) website.



The screenshot shows the DynDNS website homepage. At the top right, there is a navigation bar with a yellow background containing links for 'About', 'Services', 'Account', 'Support', and 'News'. A 'Login' button is also present. Below the navigation bar, there is a large banner with the text 'KING IN YOUR CASTLE' and 'Many more Dynamic DNS domains now available.' To the right of the banner, there is a 'New to DynDNS?' section with a 'Take a tour and see what we do' link. Below this, there are sections for 'DNS Services' and 'MailHop Services'. A search bar is located below the services sections. At the bottom, there is a 'News' section with a headline 'DynDNS.com Releases DynDNS Updater v. 2.0 for Macintosh'. Below the news section, there are four columns of links: 'Resources' (What is DNS?, DNS Tools, Business Services), 'Services' (Custom DNS, Dynamic DNS, E-Mail Relay), 'Support' (Update Clients, 24/7 Premier Support, Developer's Info), and 'About Us' (The Company, DynDNS Careers, Contact Us). A red circle highlights the 'Create Account' link in the navigation bar, and a red arrow points from the text 'Create Account' above to this link.

2.2. Create Your DynDNS Account

Click the [Create Account](#), and then start to create your own DynDNS Account and fill out all the blanks for account's application as following:

Create Your DynDNS Account

Please complete the form to create your free DynDNS Account.

- User Information

Username:	<input type="text"/>	
E-mail Address:	<input type="text"/>	Instructions to activate your account will be sent to the e-mail address provided.
Confirm E-mail Address:	<input type="text"/>	
Password:	<input type="text"/>	Your password needs to be more than 5 characters and cannot be the same as your username. Do not choose a password that is a common word, or can otherwise be easily guessed.
Confirm Password:	<input type="text"/>	

- About You (optional)

Providing this information will help us to better understand our customers, and tailor future offerings more accurately to your needs. Thanks for your help!

How did you hear about us:	<input type="text" value="---"/>	We do not sell your account information to anyone, including your e-mail address.
Details:	<input type="text"/>	

- Terms of Service

After you click "**Create Account**", it shows "**Account Created**".

DynDNS User: Pass: [Login](#)
[Lost Password?](#) - [Create Account](#)

About Services Account Support News

My Account
Create Account
Login
Lost Password?

Account Created

Your account, LizzyKao, has been created. Directions for activating your account have been sent to your e-mail address: lizzykao@gmail.com. To complete registration, please follow the directions you receive within 48 hours.

You should receive the confirmation e-mail within a few minutes. Please make certain that your spam filtering allows messages from support@dyndns.com to be delivered. If you have not received this e-mail within an hour or so, request a [password reset](#). Following the instructions in the password reset e-mail will also confirm your new account.

Thanks for using DynDNS!

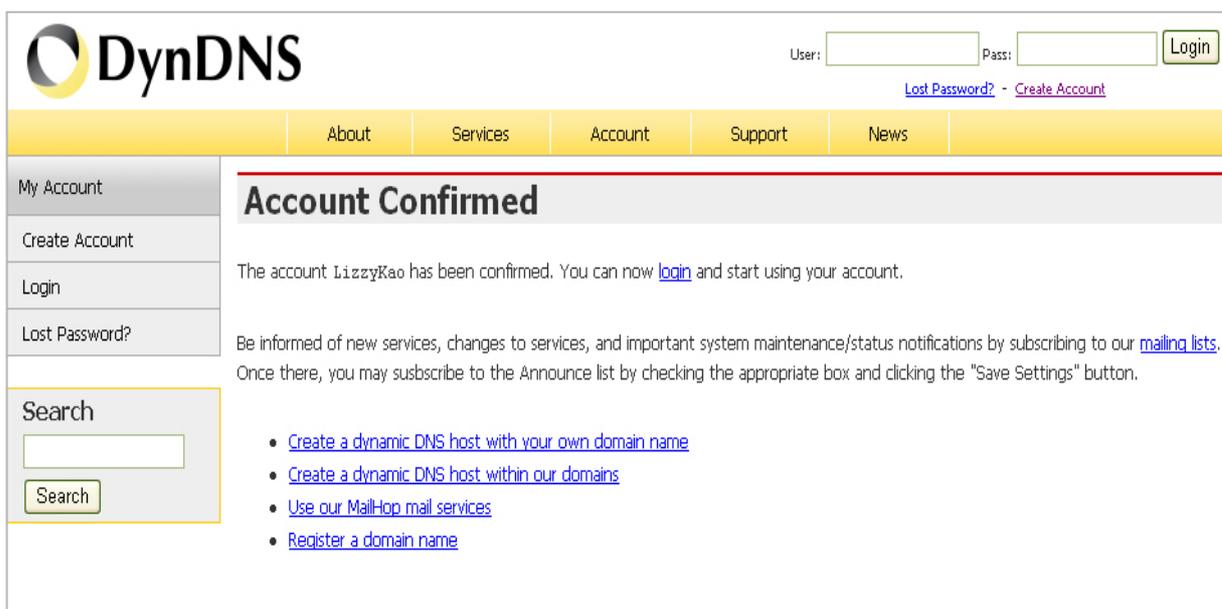
Search

[Search](#)

Also, DynDNS will create a new account for you and send you an e-mail to the address you provided. It needs to confirm your account within 48 hours after receiving the e-mail or it will automatically delete your account.



Just click the <https://www.dyndns.com/account/confirm/qMAlozR5sLqNIAyeTCfdAA>
 To confirm the account



2.3. Logged In and Host Service

Login by enter the Username and Password.

Login

Account Login

Username:

Password:

Then, go to “My Service” to get a host name

DynDNS

About Service

My Account

My Services

Account Settings

Billing

My Cart
0 items

Account Summary

My Services

View, modify, purchase delete your services.

[My Zones](#)

[Add Zone Services](#)

Account Level Services

Paid Account (?)	No	Technical Support
Account Upgrades (?)	No	View - Add
DNS Service Level Agreement (?)	None	Add DNS Service Level Agreement
Premier Support Option (?)	None Available	Add Premier Support Cases

Zone Level Services

[Add Zone Services](#)

No zone level service items registered: [Add Zone Services](#).

Hostnames

[Add New Hostname](#)

No Hostname services registered.

Other Services

Mall-Hop Outbound (?)	None	Add
Recursive DNS (?)	None	Add Recursive DNS
SSL Certificates (?)	None	Add
Network Monitoring (?)	None	Add

Add New Hostname

Specify the Hostname for DDNS IP which will be applied to the DVR's DDNS setting. We take DVR-HOST.dyndns.biz as an example, and click "Create Host"

Add New Hostname Host Services

Note: You currently don't have Account Upgrades in your account. You cannot use some of our Host Service features. Please consider buying Account upgrade that make this form full-functional and will add several other features. [Learn More...](#)

Hostname: . ▼

Wildcard: Yes, alias "*" hostname domain" to same settings.

Service Type: Host with IP address
 WebHop Redirect
 Offline Hostname

IP Address:
[Use auto detected IP address 220.133.10.98.](#)
TTL value is 60 seconds. [Edit TTL.](#)

Mail Routing: Yes, let me configure Email routing.

Now, the DDNS service is completed.

Please well keep the User name, Password and Hostname

Host Services				Add New Hostname - Host Update Logs
Hostname dvr-host.dyndns.biz created.				
Hostname	Service	Details	Last Updated	
dvr-host.dyndns.biz	Host	59.124.68.244	Nov. 29, 2007 8:59 PM	

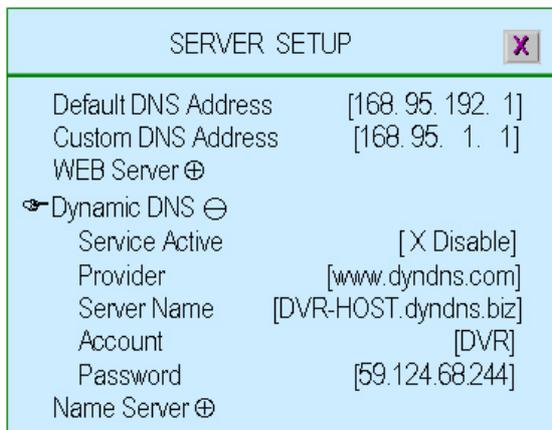
2.4. Router Setting

Most of the setting of router is identical, here is the suggestion:

- Specify DDNS service provider: DnyDNS.org (dynamic)
- Specify DDNS IP by DDNS account (user name / password)
- Specify DVR IP as private IP setting
- Specify one pair of connection port (control port / streaming port) , like"8841"

2.5. DVR DDNS Setting

After complete the DDNS account application, go to DVR server setup menu and input the DDNS information for network connection.

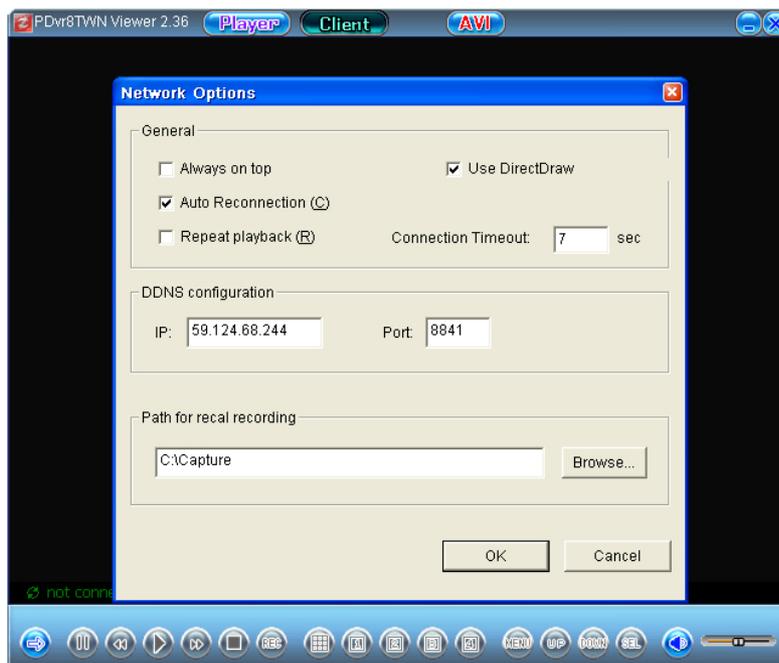


The screenshot shows a window titled "SERVER SETUP" with a close button (X) in the top right corner. The window contains the following configuration fields:

Default DNS Address	[168.95.192.1]
Custom DNS Address	[168.95.1.1]
WEB Server	⊕
Dynamic DNS	⊖
Service Active	[X Disable]
Provider	[www.dyndns.com]
Server Name	[DVR-HOST.dyndns.biz]
Account	[DVR]
Password	[59.124.68.244]
Name Server	⊕

2.6. PC Client Setting

Enter the "Option" at PC Client to setup Network Options-DDNS configuration.



PC Client & PC Viewer

PC Client is applied for remote monitoring, recording, playback, backup and control of 4/8ch video and 1ch audio. Also, you can capture, convert the video from the unit into AVI file or JPEG file, or play the stored video later on.

PC Viewer is developed for viewing recorded video, taking snapshot and converting video to AVI format on PC which supports Windows2000/Windows XP/VISTA

1. DirectX

Before installing PC Client / PC viewer into your PC, please make sure DirectX 9.0 or above has already existed. You can refer to Microsoft Download Center:

<http://www.microsoft.com/downloads/> or Insert the CD that DVR as following provides to complete the DirectX installation.

DirectX

Network surveillance solution
for Home and Small business
V1.07
[Download DirectX](#) | [CODEC](#) | [OPEN CD](#)

The following programs are serving to view recorded video, taking snapshot, converting video to AVI format on PC and to remote monitor and control.

您可以透過以下的應用程式進行對數位監控錄影機錄影資料的備份回放、轉檔及遠端連線控制等操作

- **4/8/9 Channel DVR UNIVERSAL VERSION (Support DDNS)**
4/8/9 CH 數位監控錄影機 共用版本 (支援 DDNS)
 - [PAL/NTSC System\(4CH\) English](#)
 - [PAL/NTSC System\(8CH\) English](#)
 - [PAL/NTSC System\(9CH\) English](#)
- [PAL/NTSC System\(4CH\) 中文版](#)
- [PAL/NTSC System\(8CH\) 中文版](#)
- [PAL/NTSC System\(9CH\) 中文版](#)

2. PC Client/PC Viewer Program Installation

After DirectX has installed. Place the CD into PC to start the PC Viewer installation. You will see a dialog box as following.

Choose the listing “4/8/9 Channel DVR UNIVERSAL VERSION (Support DDNS)”

- 4 Channel DVR

[PAL/NTSC System \(4CH\) English](#)

- 8 Channel DVR

[PAL/NTSC System \(8CH\) English](#)

Click it and save the program PDvr4TWN Viewer (4ch DVR) or PDvr8TWN Viewer (8ch DVR) on PC

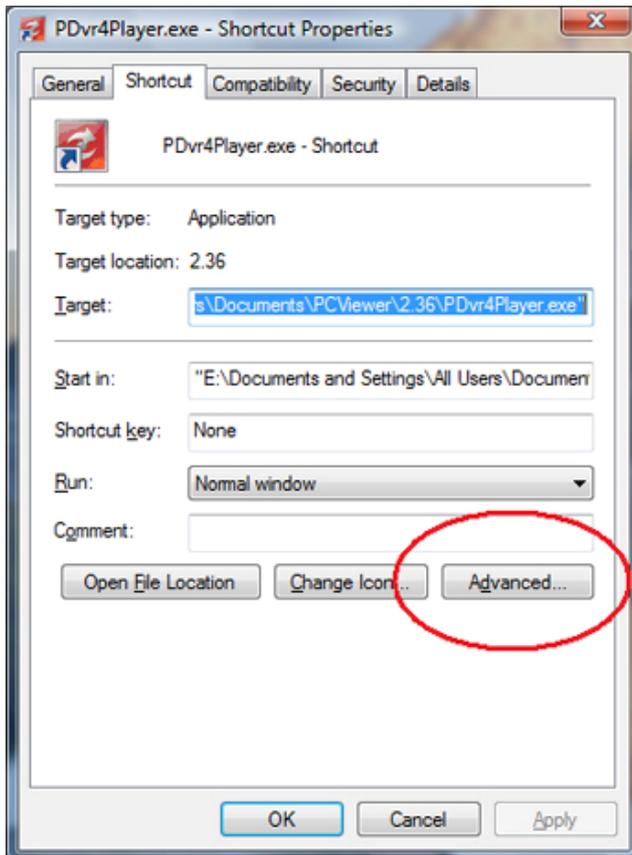


3. Open Disk Operating in VISTA

It must setup PC Viewer / PC Client properties at VISTA operating system when you want to open disk including of Hard drive and USB disk before start running.

Step 1: Go to PC Viewer Properties setting.....

Choose "**Advanced**" at **Shortcut** setting.



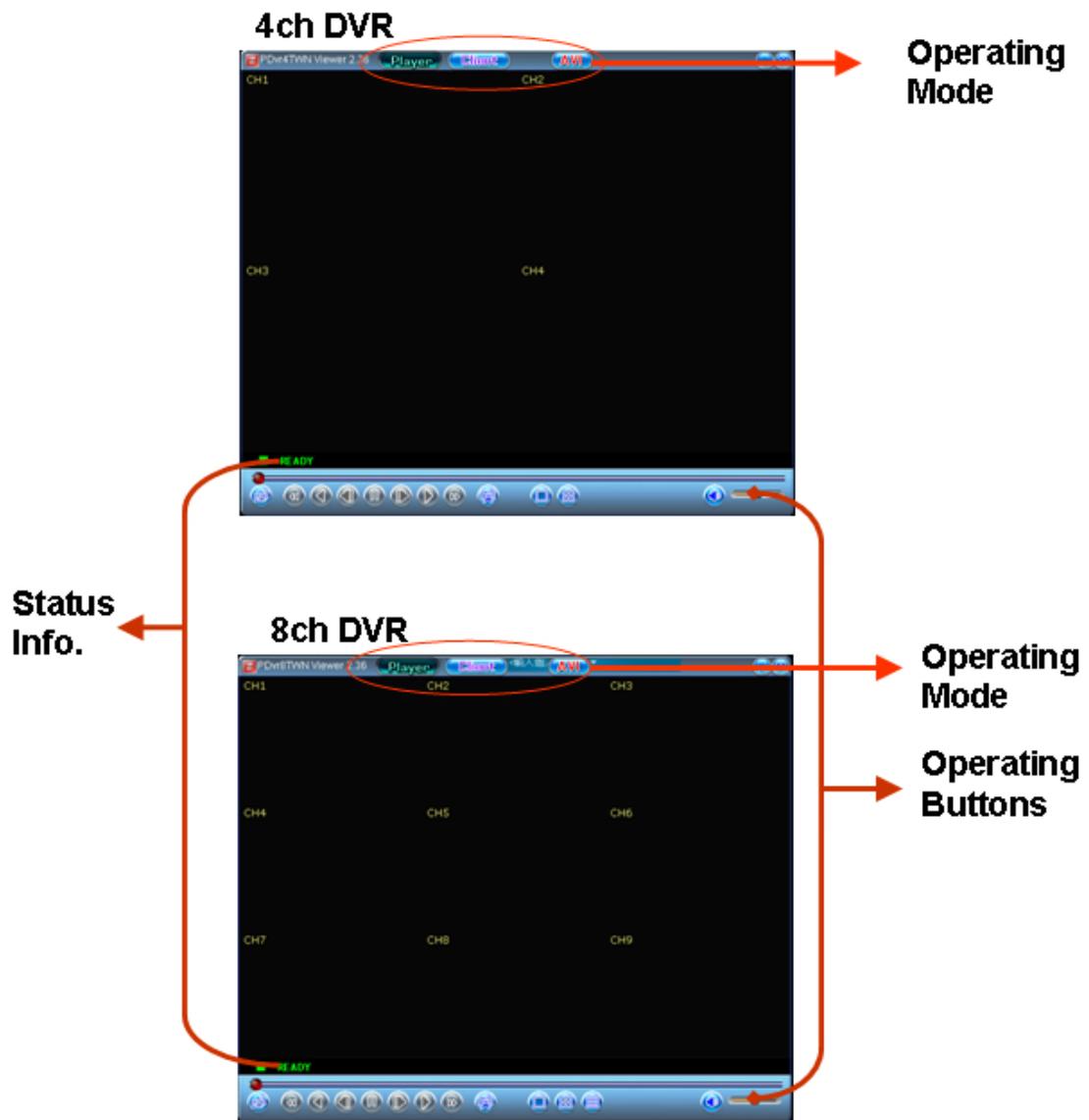
Step 2: At Advanced Properties, enable "**Run as administrator**".

Then, press OK to complete PC Client properties setting.



4. PC Viewer Operating Guide

By press "Player" to act the operating at PC Viewer operating environment.



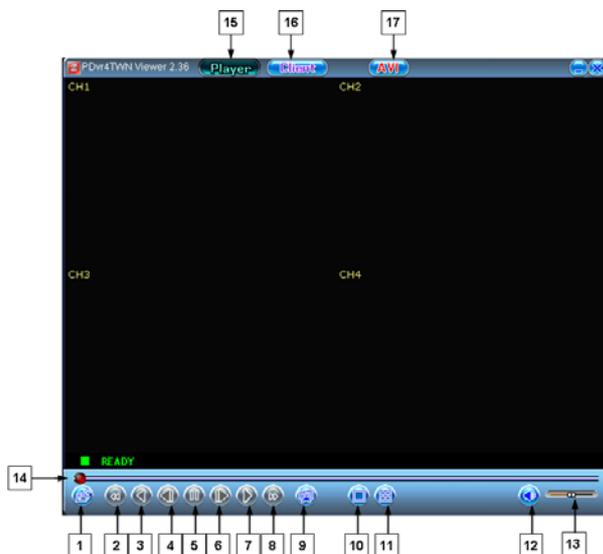
4.1. PC Viewer Operating buttons

Operating Buttons

No.	Name	Function
1	 Open	Open file. To retrieve the desired video data.
2	 Fast Backward	Press to play backward faster.
3	 Reverse	Press to playback backward
4	 Previous frame	Button for one single frame backward
5	 Pause	Pause the video playback
6	 Next Frame	Button for advancing one single frame
7	 Playback	Start video playback
8	 Fast forward	Press to play the recorded stream faster.
9	Still capture	click to snapshot the data as BMP file
10	 Mode (Full)	To display each channel on full-screen
11	 Mode	To display 4/8 channels on screen
12	Speaker	Set Speaker On / OFF.
13	Speaker Volume	To adjust the speaker's volume
14	Video	Video Play.

Operating Mode

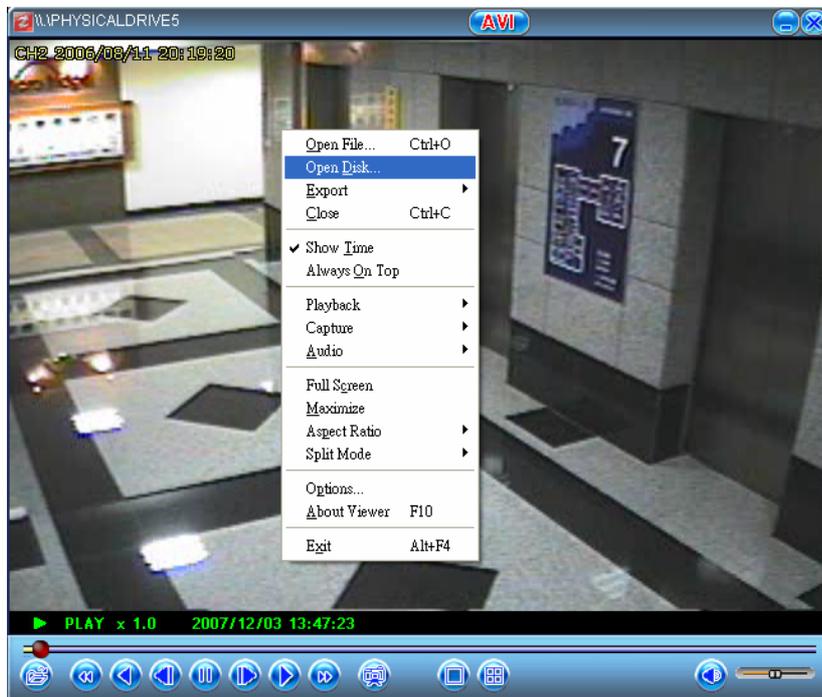
15	Player	Press to act at PC Viewer environment
16	Client	Press to act at PC Client environment
17	AVI	Click to create a new file to save AVI file in PC and start to convert the data into AVI file and save.



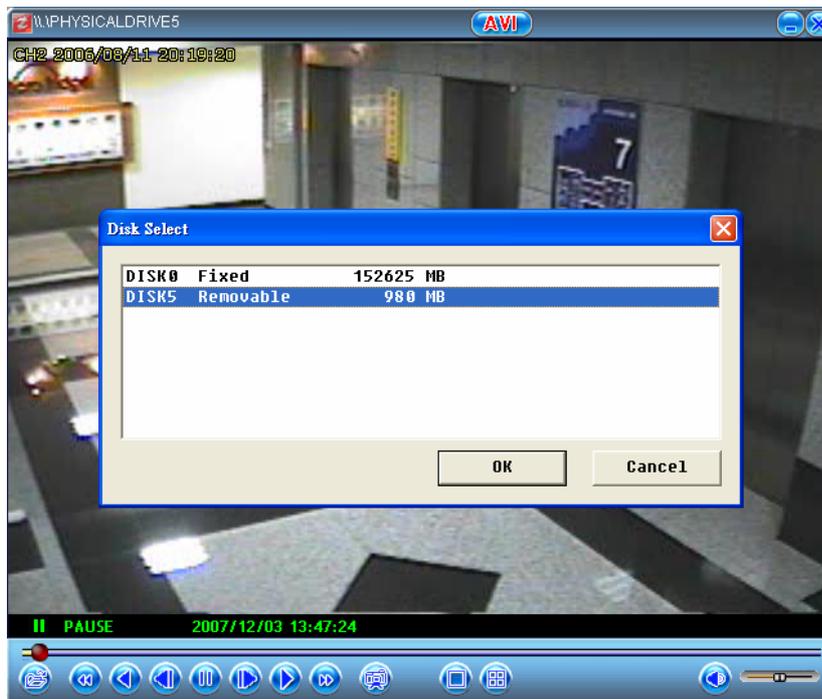
4.2. Playback

Plug the USB memory stick with data backup into PC.

Press the right button of mouse, and then choose “Open Disk” to select the USB disk.

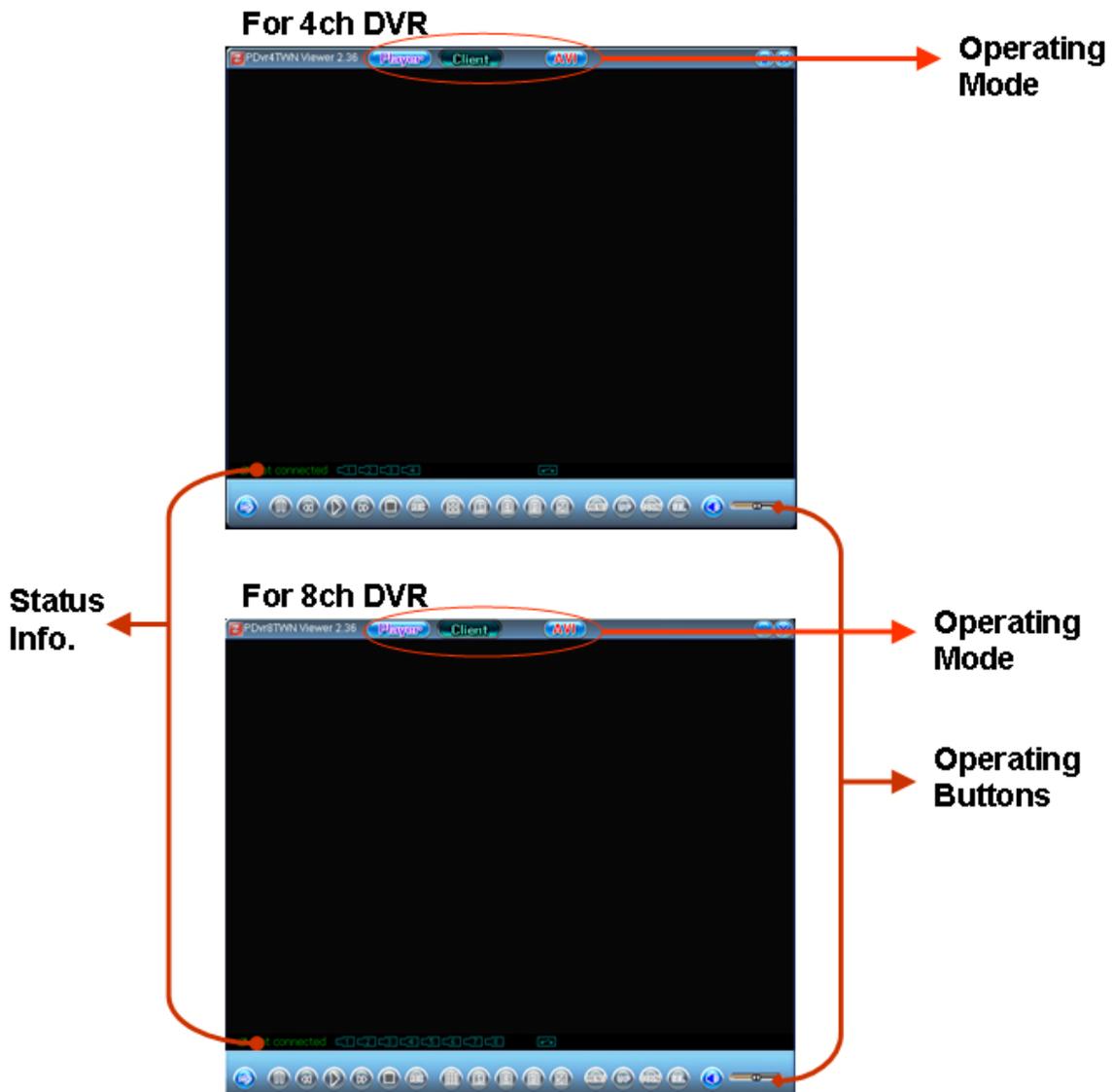


Then, press “OK” to start playback the data in USB.



5. PC Client Operating Guide

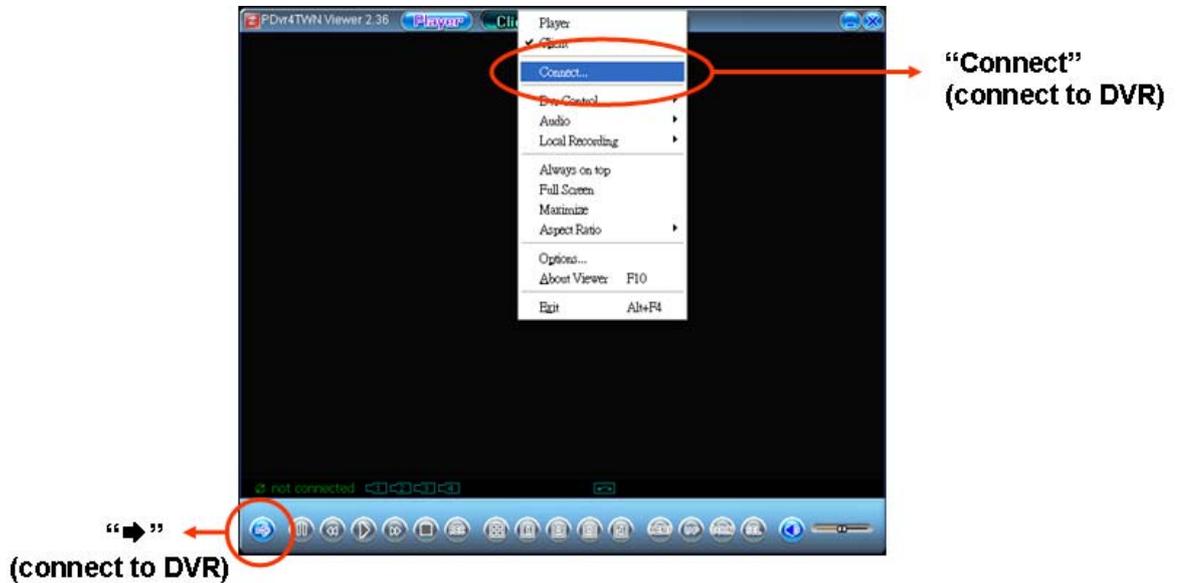
Press "Client" button on the top to switch PC Client mode for remote motoring.
The operating picture will change as following.



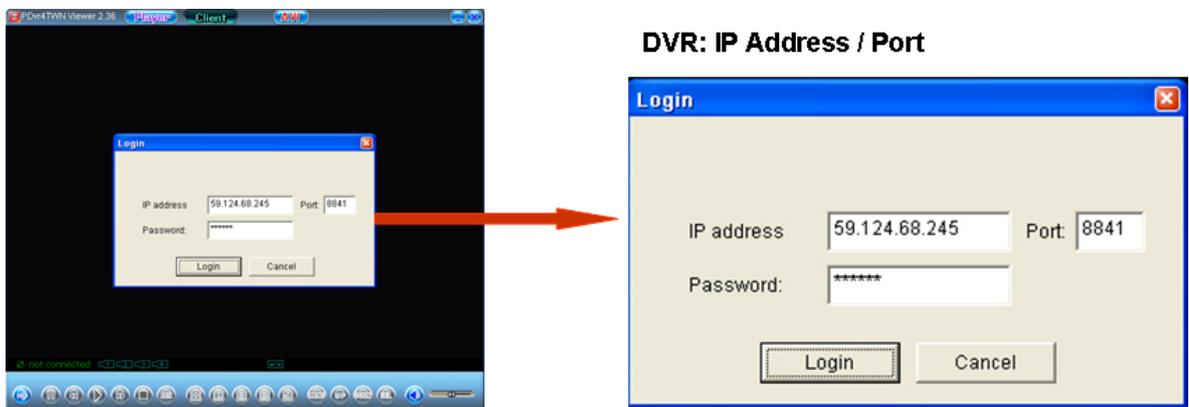
5.1. Connect PC Client to DVR

Press “Client” on the top and press left button of mouse, it shows a function table.

Or simply press the “➡” button on the control bar beneath.



Select “Connect” by one click it will show a window “Login” to set the IP address and port of DVR.



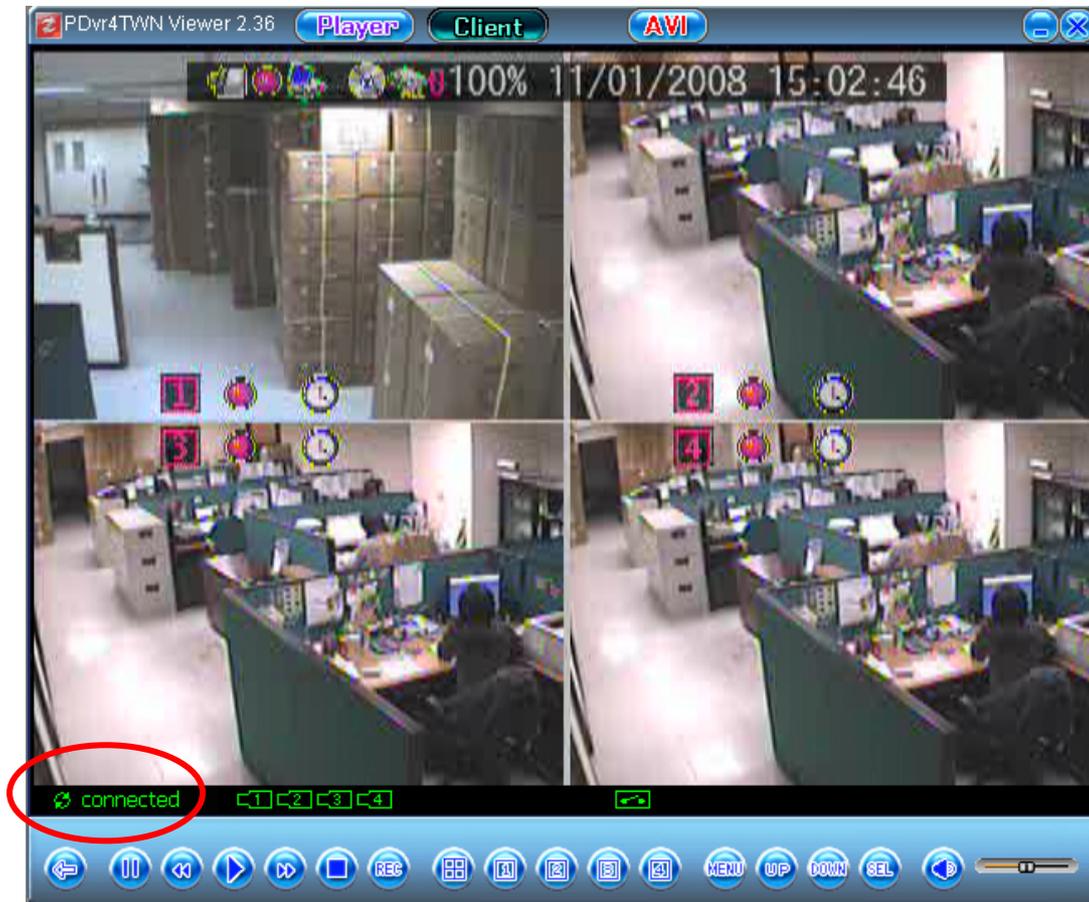
IP Address / Port: The DVR IP address/Port is the IP address of the remote DVR that you can connect by static IP address or dynamic IP.

Password: The password is the same password that be used for formatting the DVR Hard Drive. The default is “123456”.

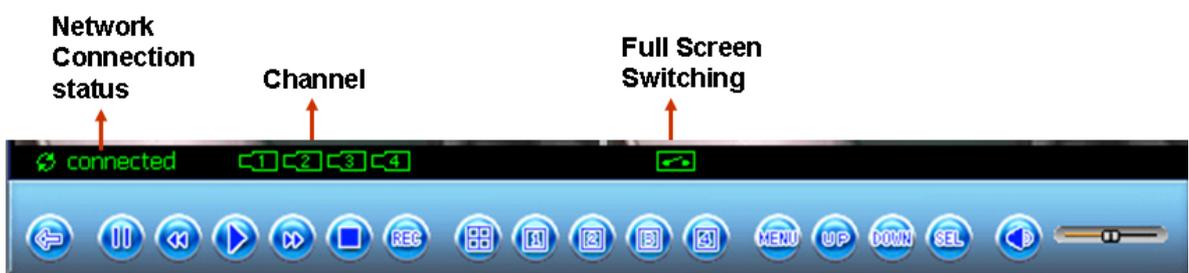
Then press “Login” to complete the PC and DVR connection.

When the connection success, the control bar below will show "🔄 connected" on status bar

If connection fails or disconnected will show "not connected"

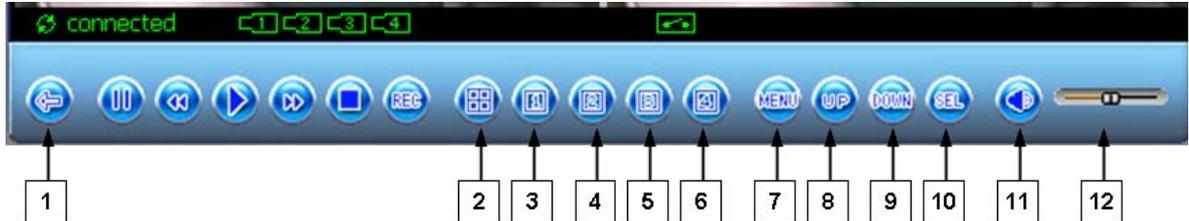


5.2. Status information



5.3. Control Icons

After connected, DVR can be controlled on remote site by control icons.



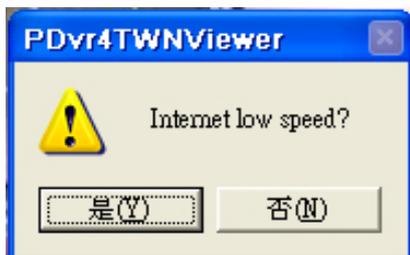
No.	Name	Function
1	➡/ ⬅	Connect/Disconnect the network within PC and DVR
2	📺/📺	Channel Mode: To display all 4/8 Channels, channel1, channel2..... channel8 by sequencing on screen
3	1	Channel 1display at full screen
4	2	Channel 2 display at full screen
5	3	Channel 3 display at full screen
6	4	Channel 4 display at full screen
7	MENU	Enter menu or exit
8	UP	Moves up through the list of menus.
9	DOWN	Moves down through the list of menus.
10	SELECT	Use this button to change or confirm values on main menu or sub menu setting.
11	Speaker	Set Speaker On / OFF.
12	Speaker Volume	To adjust the speaker's volume

6. PC Capturing

Press “AVI” on top to capture video that is synchronous with DVR and save as file on PC.



Before PC starting to capture video from DVR, it asks will it lower down the internet speed.



Also, you can setup the directory for file saving.

Then, start to capture the video from DVR synchronously.

When the video capture processing, the icon “AVI” will change as following:



Press “AVI” again for stop/completing the video capture and save file. And icon “AVI” will back to normal.

7. Playback

To operate the Playback function by playback control buttons at the bottom of the screen.



1	Pause	Pause the video playback
2	◀◀ Fast Backward	Press to play backward faster.
3	▶ Playback	Start video playback
4	▶▶ Fast forward	Press to play the recorded stream faster.
5	□ Stop	Stop to playback or record
6	REC	Start to record/playback

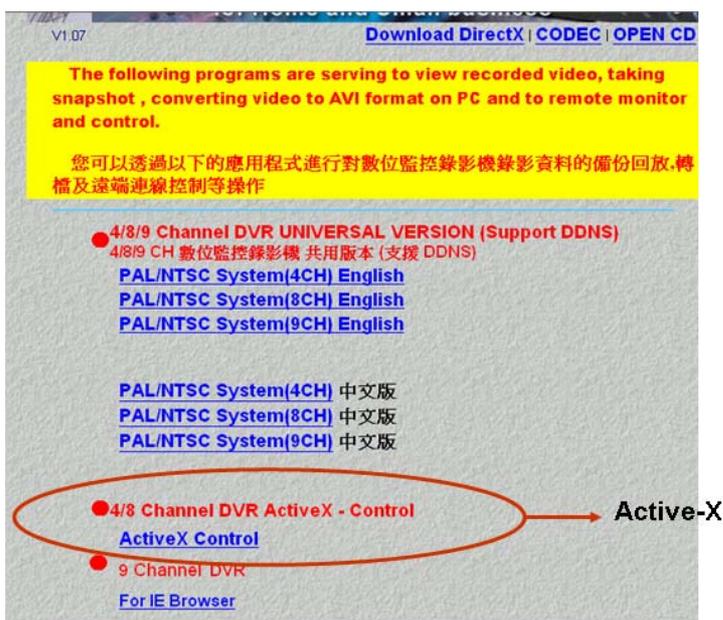
Remote Surveillance through IE Browser

You can remote control the DVR unit through IE Browser

Before starting to IE Browser, please make sure Active-X has already existed.

You can install Active-X from CD as attached.

● 4 / 8 Channel DVR ActiveX - Control



Or start up IE Explorer with dedicated DVR IP address to URL, please refer to 7.3.6 IP Address Setup. Then press “this file” to download the Active-X from DVR.

(Be sure the Active-X has already upload to DVR, if DVR do not include Active-X, it will display an error message: “404 error file not found”). About upload Active-X to DVR, please refer to 7.3.7 Server setup / Upload IE ActiveX File for more details.

this file



The following is an example for setting:

DVR IP address: 192.168.11.138 <IE Explorer / Web site>

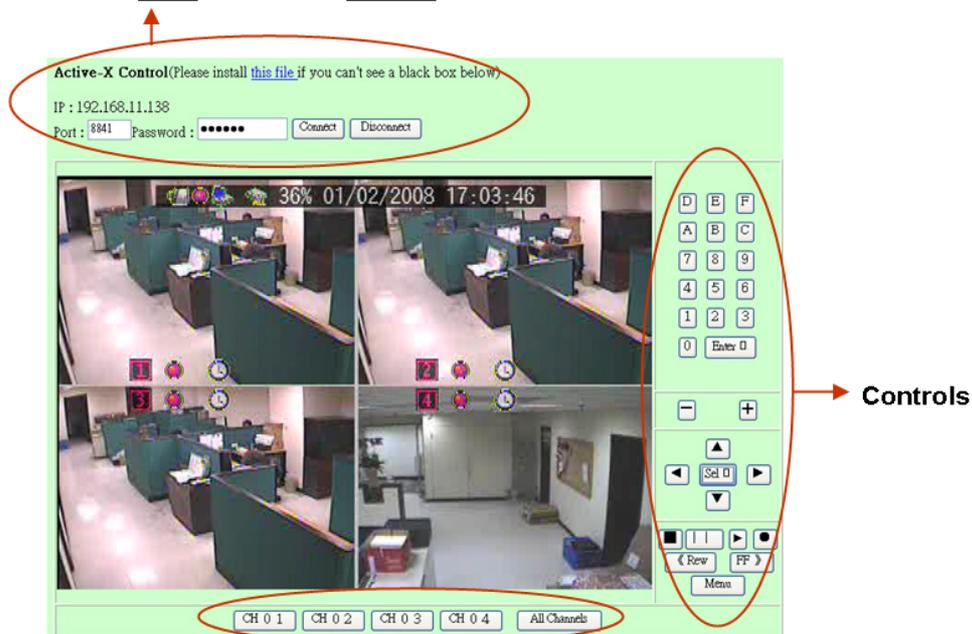
Enter the “Port: 8841”, and “Password: xxxxxx”

Then, click “Connect”

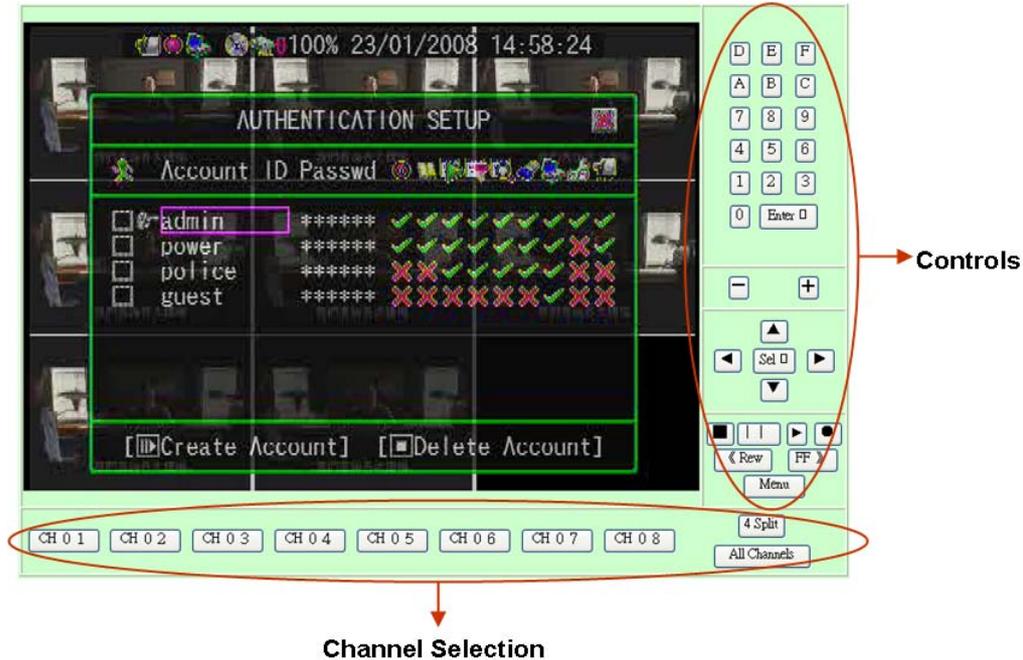
4 Channel Version

IP: 192.168.11.138

Port: 8841 Password: xxxxxx



8 Channel Version



Controls

No.	Name	Function
1	0,1,2,---9,A,B,...F	Numbers (0,1,2~9) and characters (A,B,...,F) for inputs
2	ENTER	Use this button to confirm the inputs, change values on main menu or sub menu setting.
3	+	Moves right / Channel change
4	-	Moves left / Channel change
5	▲(UP)/ ▼(DOWN)/ ◀(LEFT)/ ▶(RIGHT)	Moves up/down/left/right through the list of menus. Or use it to select / change the DVR configuration values.
6	Select	Use this button to change or confirm values on main menu or sub menu setting.
7	■ STOP	Stop playback or backup.
8	PAUSE	Pause recording or playback.
9	▶ PLAY	Start video playback.
10	• REC	Start or stop recording/backup.
11	< REW	Backward search through a time-shifted or recorded video.
12	FF >	Forward search through a time-shifted or recorded video.
13	MENU	Enter menu or exit.



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