

Thank you for purchasing our product.  
Please read instructions before operation.  
Change without Notice

## **8 CH MOBILE DVR**

### **User Manual**



**CE FC**

# Safety Precautions



**CAUTION**

**RISK OF ELECTRIC SHOCK**



**CAUTION :**

To reduce the risk of electric shock, do not expose this apparatus to rain or moisture. Only operate this apparatus from the type of power source indicated on the label. The company shall not be liable for any damages arising out of any improper use, Even if we have been advised of the possibility of such damages.

### *Graphic Symbol Explanation*



The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user of the presence of insulated dangerous voltage within the product's enclosure that may be sufficient magnitude to constitute risk of electrical shock to persons.



This exclamation point within an equilateral triangle is intended to alert the user of the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.



All lead-free products offered by the company comply with the requirements of the European law on the Restriction of Hazardous Substances (RoHS) directive, which means our manufacture processes and products are strictly "lead-free" and without the hazardous substances cited in the directive.



The crossed-out wheeled bin mark symbolizes that within the European Union the product must be collected separately at the product end-of-life. This applies to your product and any peripherals marked with this symbol. Do not dispose of these products as unsorted municipal waste. Contact your local dealer for procedures for recycling this equipment.

Attention: installation should be performed by qualified service personnel only in accordance with the National Electrical Code or applicable local codes.

WARNING: TO PREVENT FIRE OR SHOCK HAZARD, DO NOT EXPOSE UNITS NOT SPECIFICALLY DESIGNED FOR OUTDOOR USE TO RAIN OR MOISTURE.

## FCC STATEMENT

### WARNING

This device complies with Part 15 FCC Rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference.
- (2) This device must accept any interference received including interference that may cause undesired operation."

### WARNING

This Equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.




⚠ You are cautioned that changes or modifications not expressly approved by the party responsible for compliance could void your authority to operate the equipment.

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# 1. Package Contents

Description	Picture	MR8000	MR8001
Power cable (6 pin/6m) + 5A fuse X 2		<b>V</b>	<b>V</b>
I/O cable		<b>V</b>	<b>V</b>
3G antenna (Female)	 <p data-bbox="549 996 981 1025">Pictures for reference only, actual delivery-based</p>	<b>V</b>	-
G-Mouse (Male/5m)		<b>V</b>	<b>V</b>
Wifi antenna (Female)	 <p data-bbox="549 1435 981 1464">Pictures for reference only, actual delivery-based</p>	<b>V</b>	-
Remote Controller + battery		<b>V</b>	<b>V</b>
Screw x 6		<b>V</b>	<b>V</b>

Hard disk rack locker key		V	V
Cable with 4 video input and one usb port (2 pieces)		V	V
External Indicator		Optional	Optional

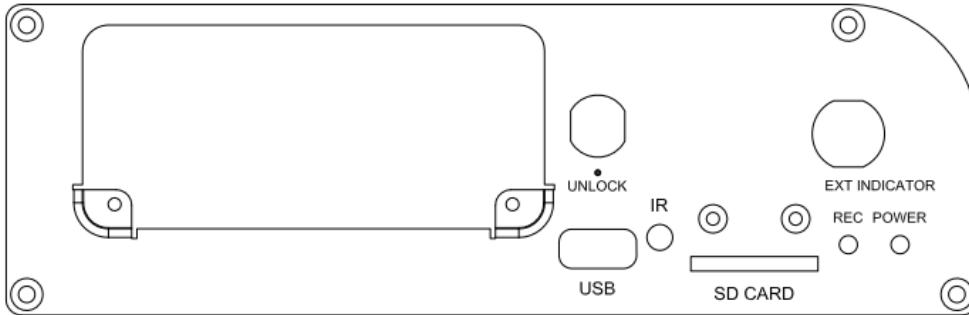
### CD Contents

Description	Model	
	MR8000	MR8001
MRPlayer	V	V
MRVMS RegisterServer_Setup ServerDBInstall	V	Optional

## 2. Product Overview

### Front Panel

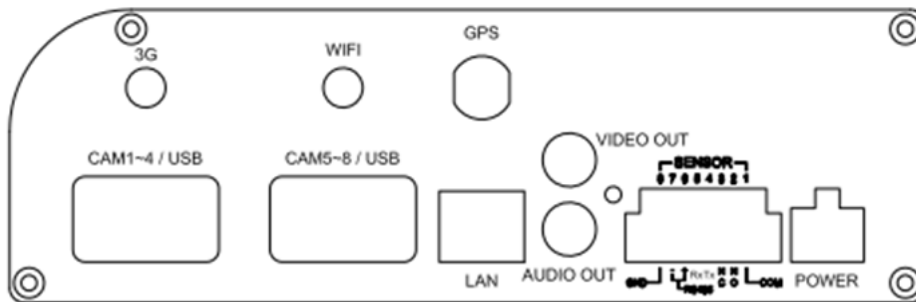
#### MR8000 / MR8001



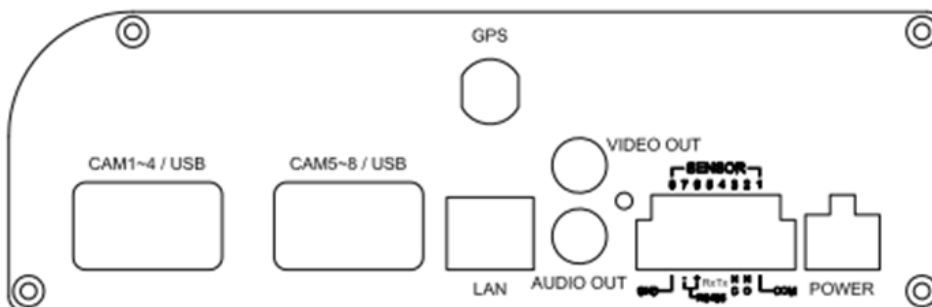
(※ Front panel USB port recommended only for USB storage, mouse recommended use the back Cable wire's USB port )

### Back Panel

#### MR8000: with 3G (4G) / WIFI function

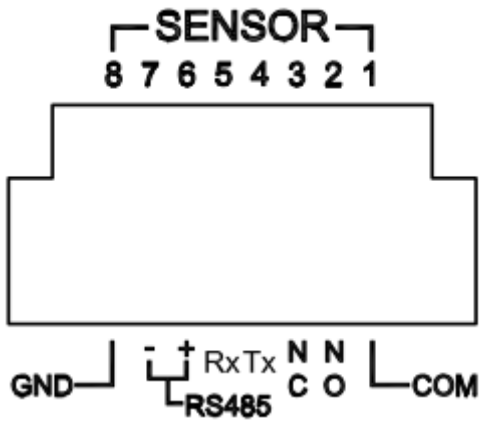


#### MR8001: without 3G (4G) function

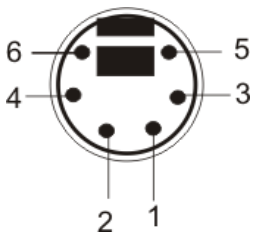


## Cable pin definition

I/O cable pin definition



Mini din type



Pin number	Description
1	Not used
2	Not used
3	Audio
4	GND
5	+12V
6	Video



The function button of this IR remote controller as below



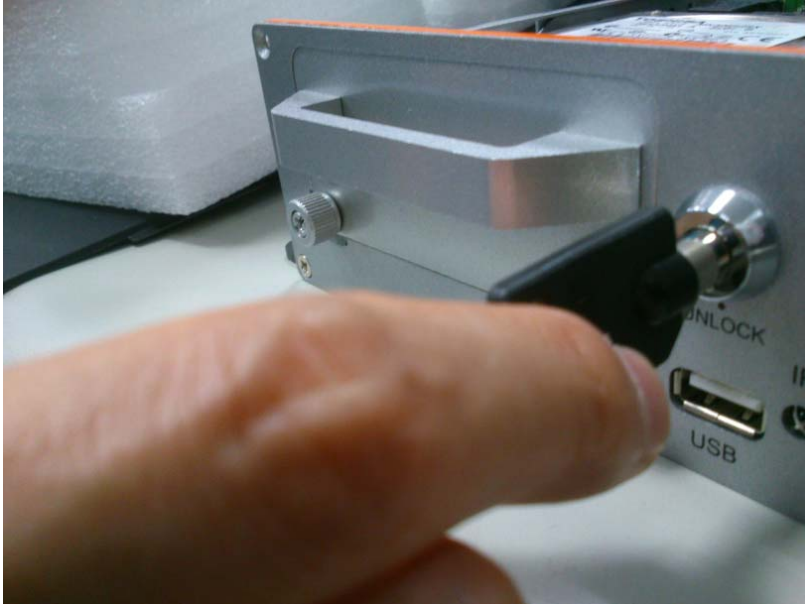
<b>Lock</b>	Lock the DVR system need a password to unlock it
<b>Panic</b>	Panic record button
<b>Menu</b>	Go to 'MENU' mode to setup the system
<b>Search</b>	Search recorded video
<b>Backup</b>	Backup the recorded data to other device
<b>Direction</b> (▲, ▼, ◀, ▶)	Move cursor or control PTZ camera
<b>ENTER</b>	Select sub item in system setup mode
<b>ESC</b>	Exit the dialog window

### 3. Physical Connection

#### Hard disk installation

Remove the mobile DVR hard cover and insert the locker key in the front of the device,

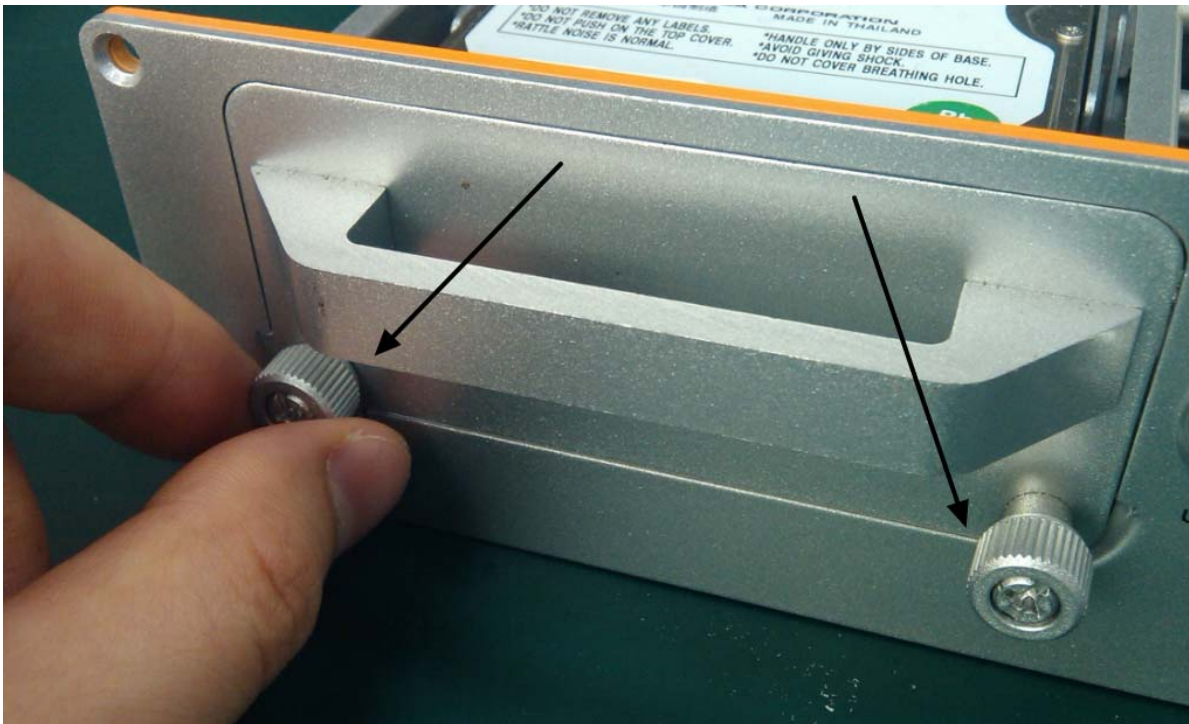
To unlock please turn counter clock wise 90°,



To lock it please turns clock wise 90°

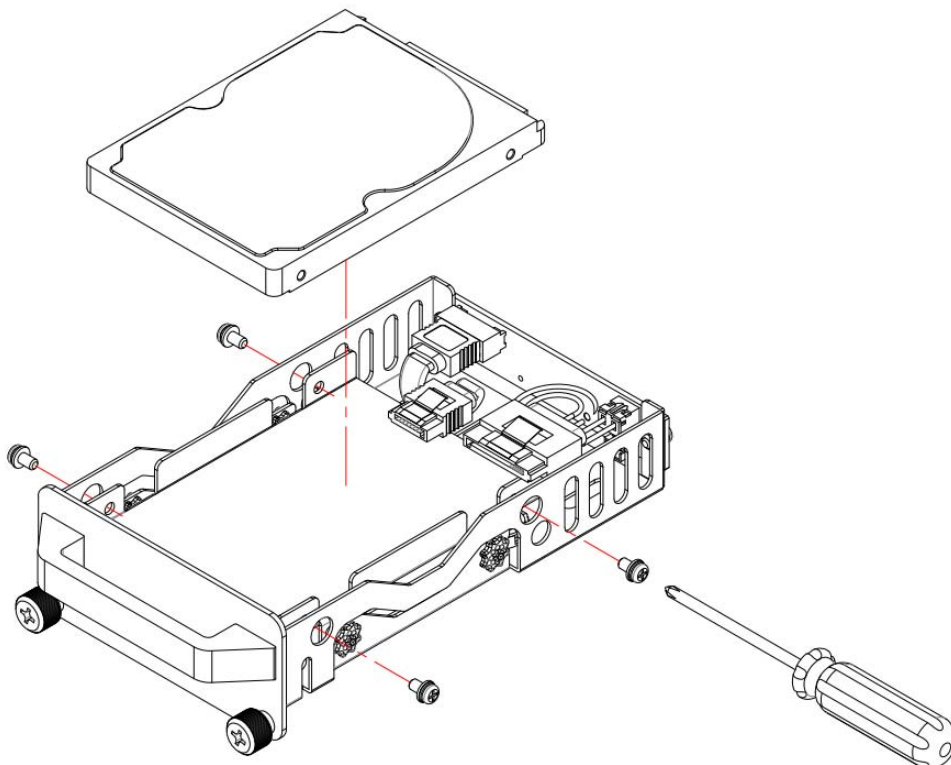


Then turn counter clock wise the two screw



Pull the rack out in order to install your hard disk, note that only 2.5 inch hard disk can be installed



Screw the hard disk as shown on the below drawing, notice DO NOT press the hard disk from the top as it may damaged the anti vibration system



Then connect the SATA and power cable on the back of the hard disk it should look like this :



After you installed the hard disk put back the rack into the mobile DVR and tighten the two front screws and use the key to lock the rack. If the lock is not correctly done, the system won't be able to boot and the power led will flash.

※ After installed the HDD, the bottom screen will display this  ICON. And if SD card has installed, the bottom screen will display this  ICON.

#### Light Description

REC POWER



Green light: When device is booting, the led light will flash.

(When the PWR light is keeping lit indicates the system to normal)

Red light: When device can't record · Vloss or HDD Initial fail, the led light will flash. (When the REC light is keeping lit indicated the record to normal)

- ※ When system is booting, Un-Lock the hard disk cover action will not directly turn off the device, and the green light will flashing till the device turn off, the green light will stop lighting.
- ※ When the hard disk cover is on” Un-Lock “ status, although ACC is on, but system won't booting.

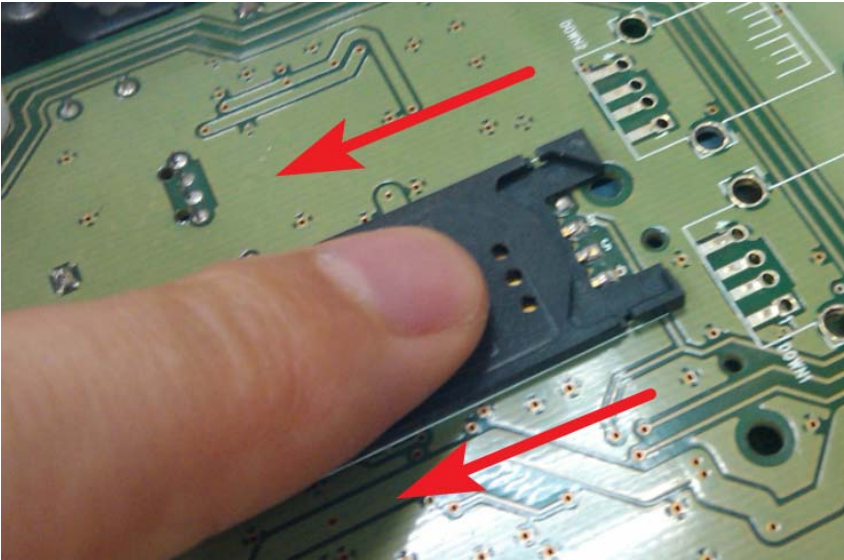
## Sim card installation (MR8000)

When you purchase your sim card to your telecom provider, please make sure that it meets one of the following standards in order to work:

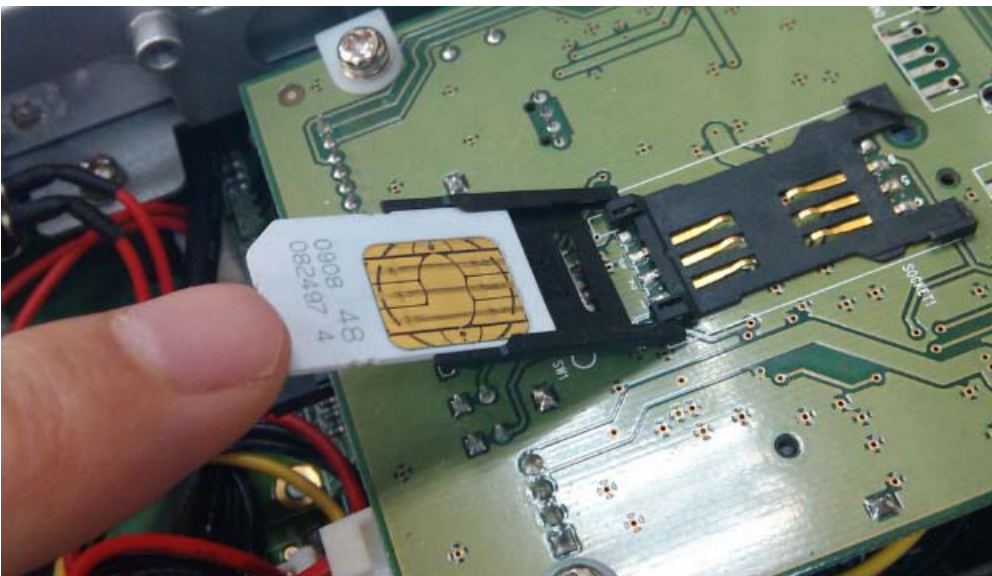
GSM 850 900 1800 1900

WCDMA 850 1900 2100

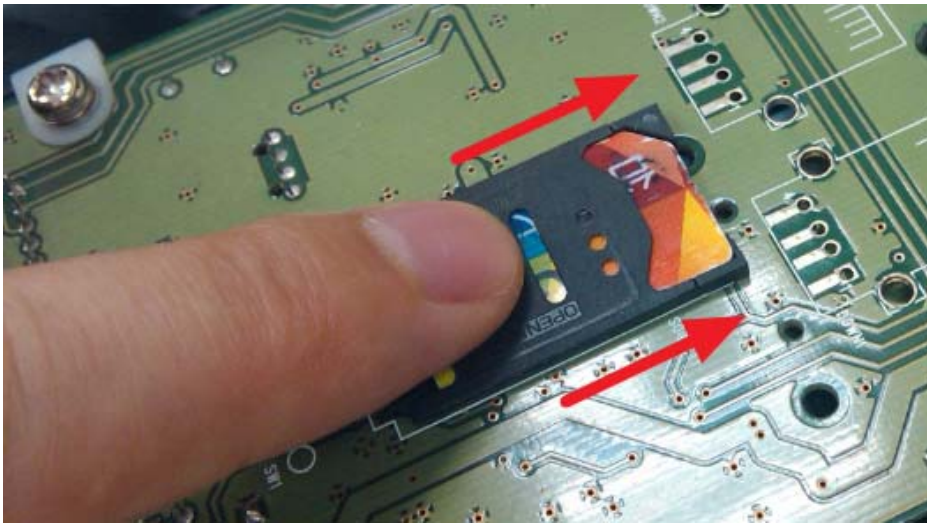
Pull the sim card socket



Insert the sim card with its gold contact facing down and the notched corner oriented to the upper right of the slot as shown



Then put back the lid to the slot and push to lock it

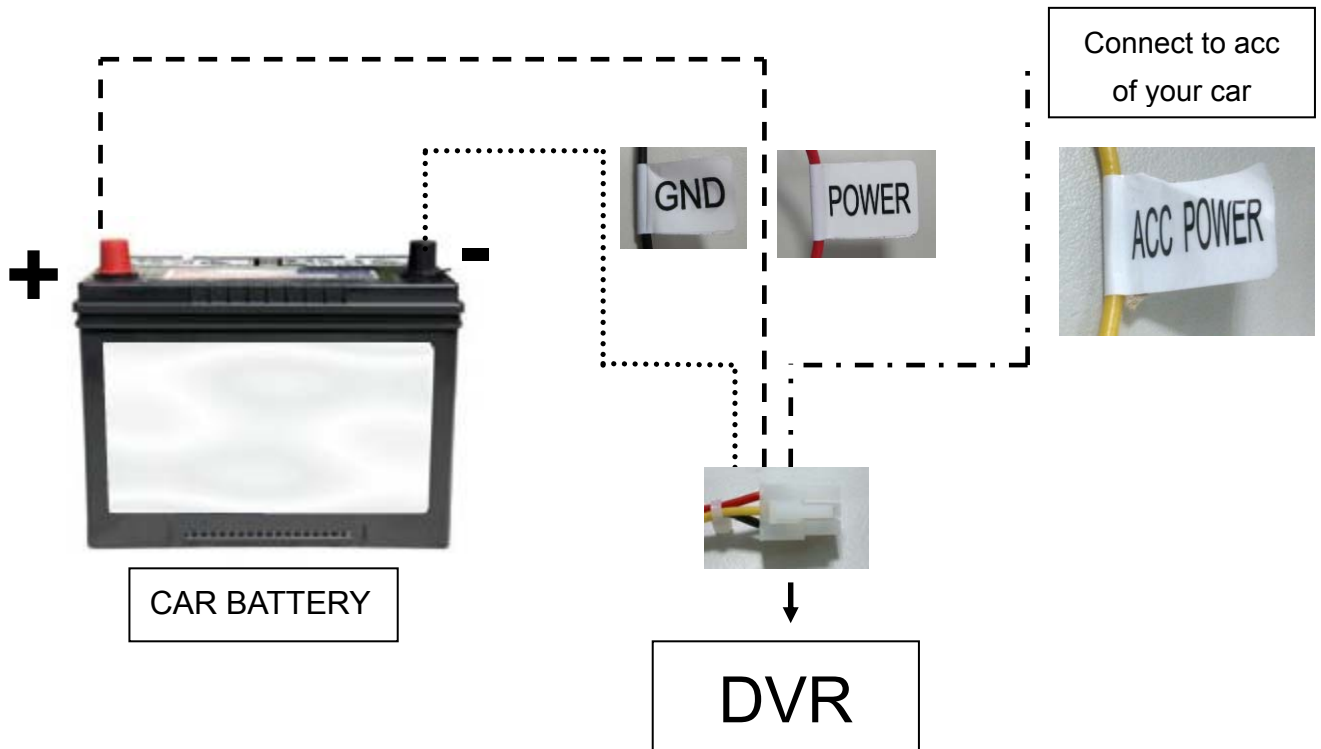


At final your mobile DVR should look like this



## Power Setup

Cable type	Meaning
.....	Ground -
-----	Power +
- . - . - . - .	ACC power



For your information ground and power + cable are protected with a 5A fuse.

Note that, do not pull the power connector when the DVR is recording to avoid the hard drive be damaged. First unplug all cameras, wait that yellow led turn off then unplug the power.

## Event Box description



Icon	Description	Color	Always ON	Always OFF	Flashing
	Record	Red	recording (Normal/Event)	No recording	Warning: device can't record · Vloss or HDD Initial fail
	Power	Green	System ready	Power off	System booting

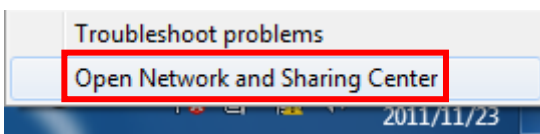
## 4. Setup

In order to access to the 8CH mobile DVR with a notebook, you need to have RJ45 cross cable

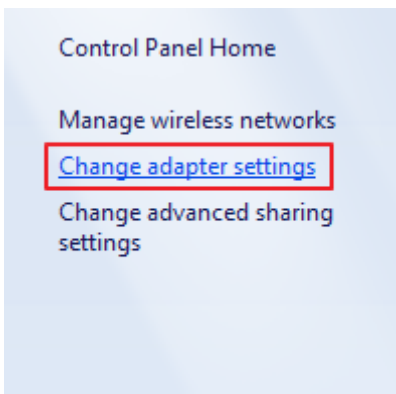
Link the notebook to the DVR with the LAN cable

Under windows 7

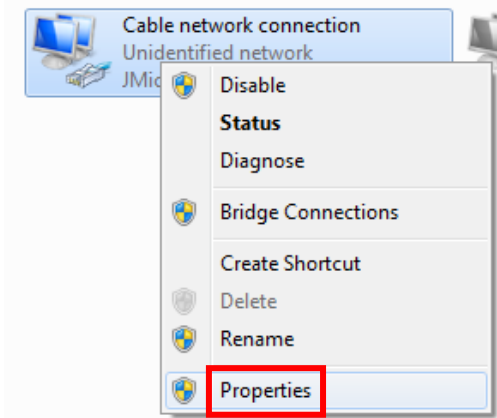
On the desktop bottom right, right click mouse on network icon then select **open network and sharing center**



Then on the left select **Change adapter settings**

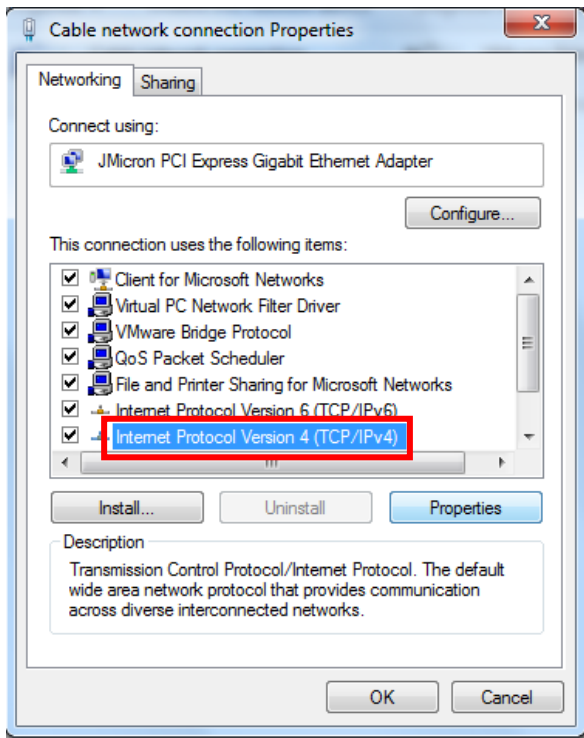


Choose your lan wired connection then mouse right click and select properties

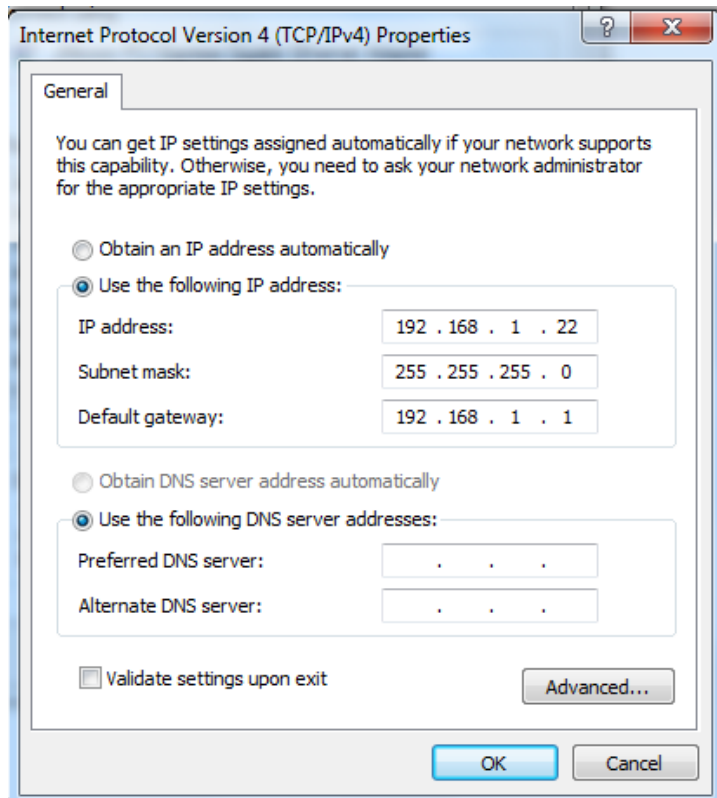




Then click on Internet Protocol IPV4 and click properties



Assign an IP address to your notebook as the DVR default IP is **192.168.1.99**



Valid by pressing ok

## Internet Explorer setting

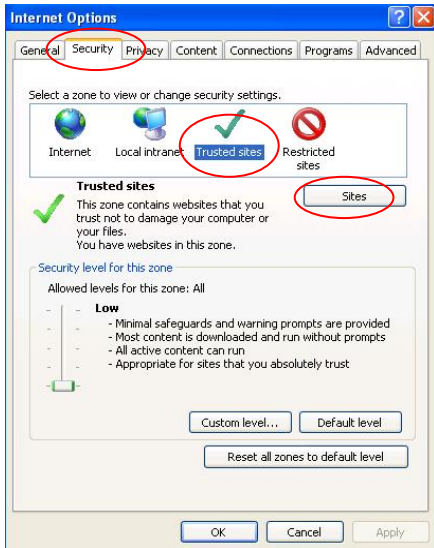
Our device supports **Internet Explorer 7, 8, 9(32bits) and 10(64bit) only**

The default IP address of the mobile DVR is **192.168.1.99**

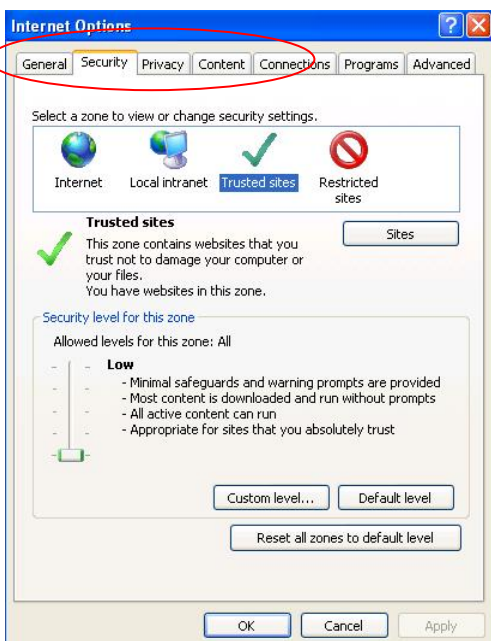
In order to install the active X you need to change your Internet Explorer settings

Open Internet Explorer, Click the Tools button, and then click Internet Options.

Click the Security tab, and then click a security zone Trusted sites. Click Sites.



The DVR IP should be shown in the *Add this website to the zone* field. Please make sure that the below option *require server verification*' is disabled Click Add and close.



Then turn the Security level to Low and press apply

Return to Internet Explorer main page

Press Install

The icon must be in blue color then please login in the DVR

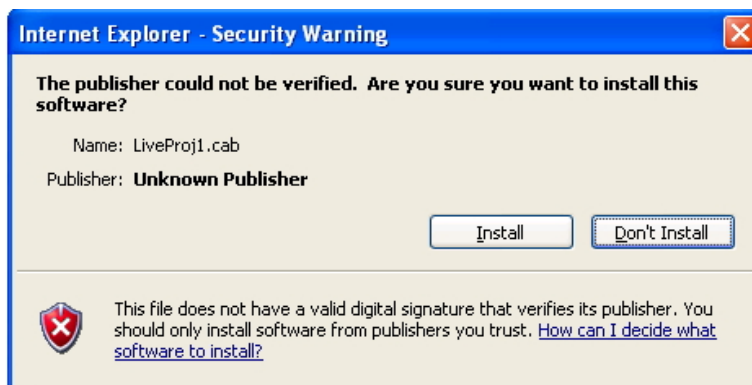
Default administrator username/password is “**admin**”/ “1111”

Default guest username/password is “**guest**”/ “1111”

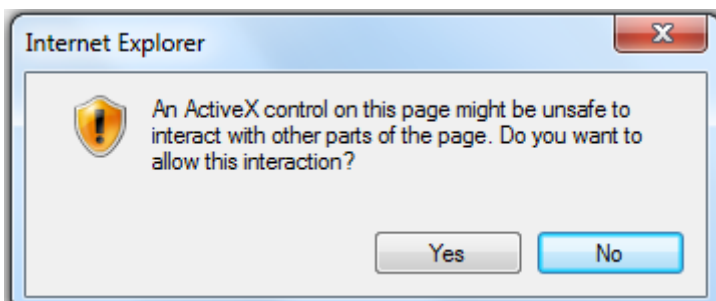
If you don't operate the car dvr after a period of time (30 minutes) you will be automatically logged out, then you need to login again with your account and password



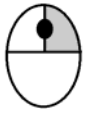
You will have a pop up message



A pop up message will display, press Yes to continue



## 5. DVR operation via video out



Mouse right click →



Quick

CH_1 Vloss	CH 2 Vloss	CH 3 Vloss
CH 4 Vloss		CH 5 Vloss
CH 6	CH 7	CH 8

Quick 11/08/2013 00:27:42

● ⚙️ ⚙️ 🔍 🔇 🔊 1 🗄️ ▶️

### Quick setting

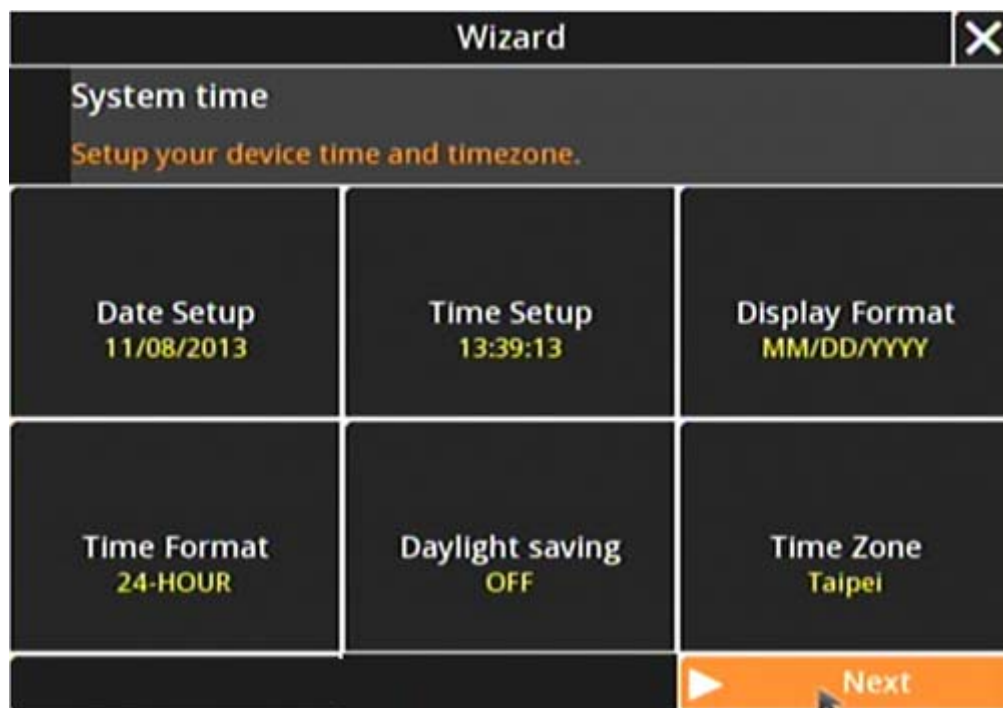
After click the “Quick” icon, the wizard will take you to fill out all needed information to setup the mobile DVR.



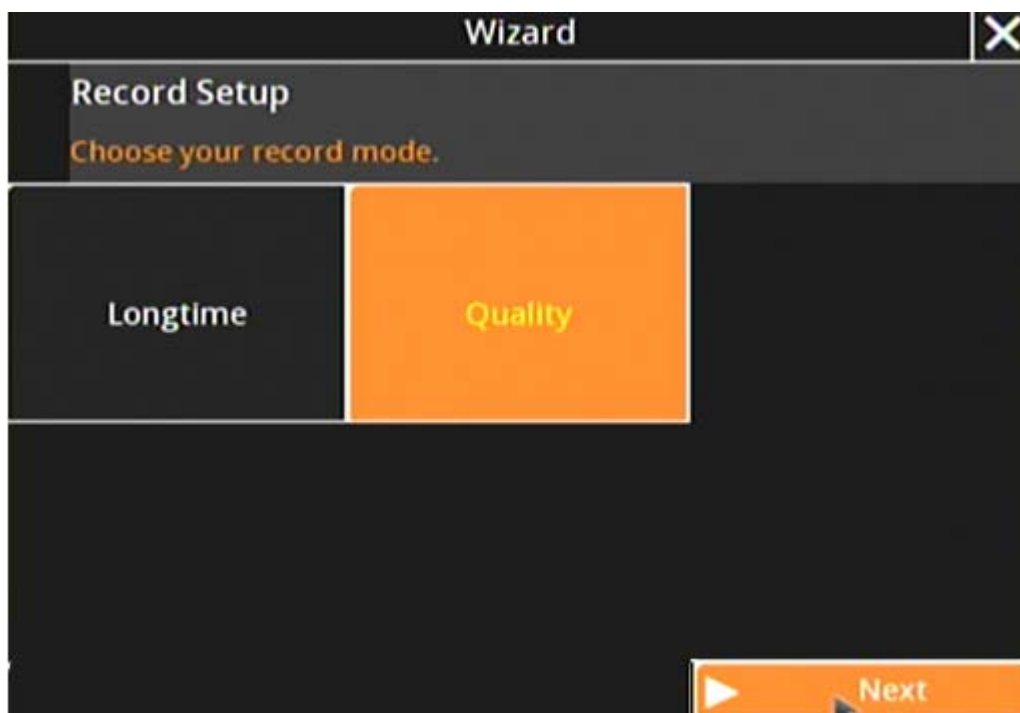
**Language:** There are 6 options at here, including “English”, “Traditional Chinese”, “Japanese”, “Deutsch”, “French”, “Portugues”.



**System time:** There are 6 options at here, including “Date Setup”, ”Time Setup”, “Display Format”, “Time Format”, “Daylight saving”, “Time Zone”.



**Record Setup:** Choose your record mode here, including “Longtime”, and “Quality” 2 options. longtime setup will extend record time but image quality will be reduced whereas QUALITY mode will give the best quality picture with a shorter recording time.

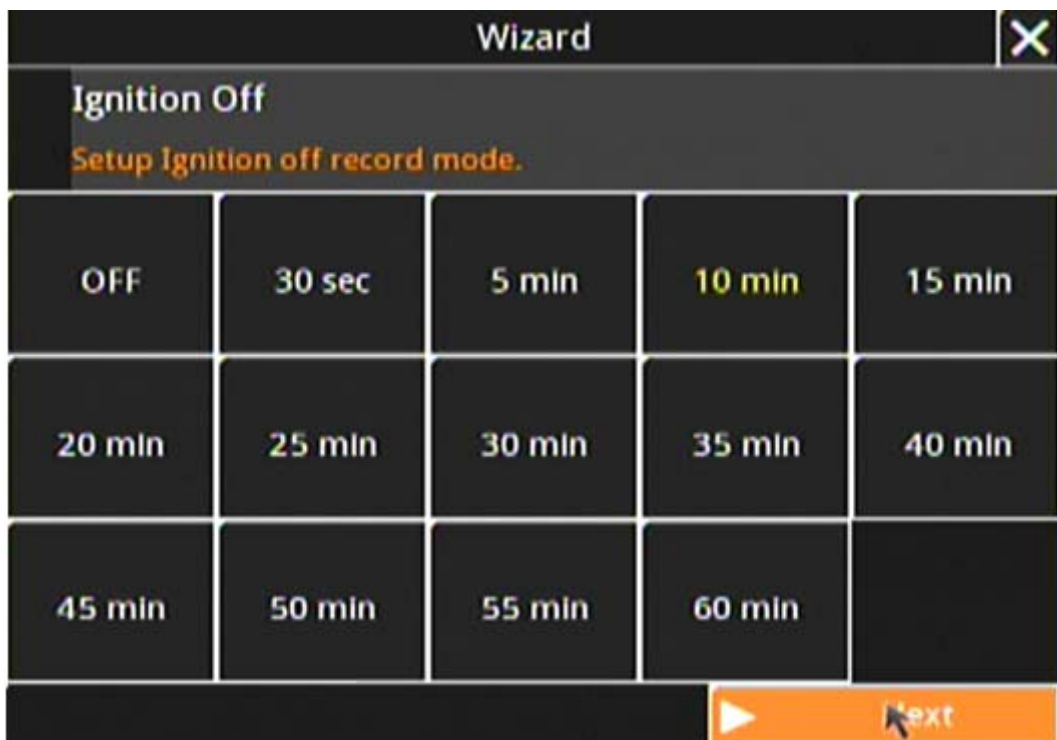


**Network Setup:** There are 6 options at here, including “LAN”, “Wifi”, “3G network”, “Center IP”, “Register Timing”, “E-mail” etc.

User can setup according to network environment



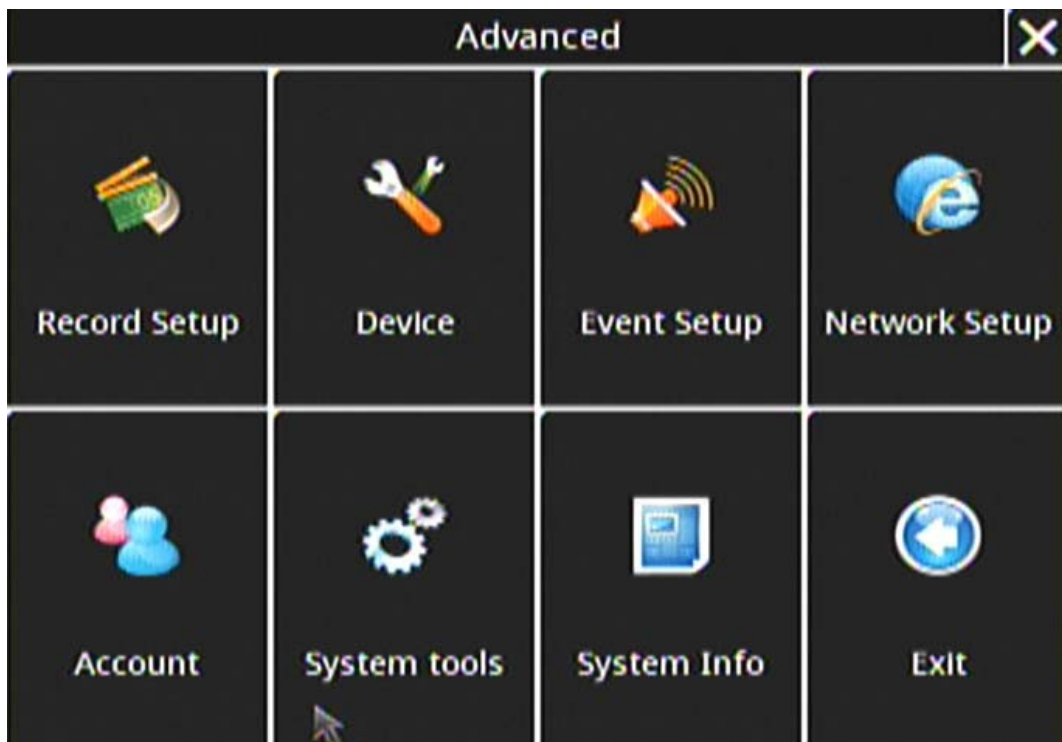
**Ignition Off:** Setup Ignition off record mode this function is to setup when ignition is off post recording time, including 14 options can be selected. Including “Off”, “30 sec”, “5 min”, “10 min”, “15 min”, “20 min”, “25 min”, “30 min”, “35 min”, “40 min”, “45 min”, “50 min”, “55 min”, “60 min”.



**Car Info Setup:** 4 options here for selection, including “Device Number”, “Company Name”, “Driver Name”, “Car Number”. Then “Save” & quit.



### Advanced Setup





## Record Setup:

- **Record setup**
  - **Channel:** 8 channel totally. From 1~8.
  - **Start Record:** “ON”, “OFF”
  - **Frame Rate:** 1fps~30 fps (NTSC)/ 1fps~25 fps (PAL)
  - **Quality:** 5 options can be selected; “highest”, “high”, “normal”, “low”, “lowest”.
  - **Resolution:** “320X240”, “720X240”, “720X480”. (NTSC)  
“320X288”, “720X288”, “720X576”. (PAL)
  - **Audio:** “ON”, “OFF”
  - **Post Record:** can be setup from “OFF”, “30 sec”, “1 min”, “2 min”, “5 min”, “15 min”, “30 min”, “1 Hour”. Finally, “Apply ALL”, “Save”, & “Exit”.
- **Ignition Off:** postpone time can be set from “30 sec”, “5 min”, “10 min”, “15 min”, “20 min”, “25 min”, “30 min”, “35 min”, “40 min”, “45 min”, “50 min”, “55 min”, “60 min”. After setup this section, click “Save” and this page will be automatically exited.
- **Streaming:**
  - **Frame Rate:** From 1~15.
  - **Quality:** “Highest”, “High”, “Normal”, “Low”, “Lowest”.
  - **Keyframe:** 1 sec ~ 10 sec. “Save”, then quit automatically.
- **Device:**
  - **Color Setup**
    - **Camera:** 1~8
    - **Camera Title:** edit the camera name.
    - **PTZ Setup**
      - **PTZ Protocol:** “PELCO\_D”, “PELCO\_P”.
      - **PTZ ID:** 1~255.
      - **PTZ baud rate:** “110”, “300”, “1200”, “2400”, “4800”, “9600”, “19200”, “38400”, “57600”, “115200”.
    - **Color Setup**
      - Brightness:** 0~10
      - Contrast:** 0~10
      - Saturation:** 0~10
  - **Storage:** Installed HDD’s information will be located and listed here. Including HDD’s “Name”, “Size”, “Format”. After click “Format” pop-out message would ask & make sure user want to do the “Format” action. check “Yes” or “No” button for your choice. Meanwhile, the HDD overwrite action can be set when HDD was fully used for the record file. Please if you insert already used hard disk, the hard disk will be formatted

- **IR:** IR ID can be set here and there are “Not assigned”, “1-1~1-9”, “2-1~2-9”, “3-1~3-9”, “4-1~4-9”.

- **Keyboard:**

- **ID:** 1~15
- **Baudrate:** 2400 、 4800 、 9600.

- **Battery detector:**

**Enable:** “ON”, “OFF”

**Voltage type:** 12v or 24v.

※ Battery voltage detection function: when the voltage is too low, will alert user.

- **Buzzer::**

- **Sensor:** “OFF”, “Critical”, “Warning”. Default is Critical
- **Video Loss:** “OFF”, “Critical”, “Warning”. Default is Warning
- **HDD:** “OFF”, “Critical”, “Warning”. Default is Critical

- **Event Setup:**

Including the “Video Loss”, “Motion”, “Sensor”, “Speed Event”, “G-Sensor”.

- **Video Loss:**

- **Camera:** 1~8

- **Enable:** “ON”, “OFF” . if the status is “ON”, below 3 items can be setup at the same time.

- **Dwell:** OFF, “1 sec”, “2 sec”, “3 sec”, “4 sec”, “5 sec”, “6 sec”, “7 sec”, “8 sec”, “9 sec”, “10 sec”.

- **E-mail:** setup the receiver’s E-mail.

- **Alarm out:** Click the icon if need.

- **Motion:**

- **Camera:** specific 1~8 camera can be set.

- **Enable:** “ON”, “OFF”.

- **Dwell:** “OFF”, “1 sec”, “2 sec”, “3 sec”, “4 sec”, “5 sec”, “6 sec”, “7 sec”, “8 sec”, “9 sec”.

- **E-mail:** “ON”, “OFF”

- **Alarm Out:** click the box if need.

- **Event Record:** ”ON”, “OFF”

- **Event Popup:** “ON”, “OFF”

- **Sensitivity:** 1~5

- **Area Setup:** setup the area we want to monitor. In green color area, “motion function is turned on,

- **Sensor:**
  - **Sensor:**1~8
  - **Enable:** High/OFF
  - **Dwell:** 0 ~ 9 seconds
  - **Priority:** 1~8
  - **Email:** ON~ OFF
  - **Alarm out:** ON ~ OFF
  - **Event record:** 1~8
  - **Event popup:** 1~8

## **Speed Event**

**Enable:** ON/OFF

**Unit:** you can choose between Km/h or MPH

**Type:** High speed / Low speed

**Enable:** ON/OFF

**Threshold:** 1 ~ 300

**Dwell time:** define the length of the buzzer after each motion detection OFF ~ 9 seconds

**Email:** can send an email to predefined address in case of the event

**Alarm out:** in case of detection, DVR will send a signal via alarm out like a buzzer

## **G Sensor**

**Enable:** ON/OFF

**Threshold :** OFF ~ 5g

**Dwell time:** define the length of the buzzer after each motion detection OFF ~ 9 seconds

**Email:** can send an email to predefined address in case of the event

**Alarm out:** in case of detection, DVR will send a signal via alarm out like a buzzer

※ **If GPS mouse has already connect to the device, the bottom screen will**

**display this**  **ICON**

## Network Setup

### LAN

**Host Setting:** user can choose between STATIC IP, DHCP and OFF status

For static IP you need to key manually the IP, GATEWAY and NETMASK.

For DHCP, the DVR will retrieve the information from the network

### Net Service

**Center IP:** CMS server IP address.

**Center Port:** default is 8788 but can be changed according to customer need

Register timing: "OFF", "10 sec", "30 sec", "60 sec".

**Http Port:** default is 80 but can be changed according to customer need

**Streaming Port:** default is 554 but can be changed according to customer need

**Messenger Port:** default is 1999 but can be changed according to customer need

**DNS:** if the user specifies a DNS, it will help the CMS to find more fastly the ip of the dvr using 3g connection

**Stream:**

**Warning:** make sure that these port are open in your router if you use a LAN network

※ If use LAN connect network, the bottom screen will display this  ICON

## **E-Mail**

**SMTP Server:** E-mail service mail server.

**Port:** E-mail service port.

**SSL:** ON/OFF

**Sender:** sender mail

**Recipient:** recipient mail

**Enable SMTP Auth:** ON/OFF

(some mail server need user authentication.)

**Account:** mail service account.

**Password:** mail service password.

**E-mail test:** Due to the authorization problem, some mail server will not work properly. Please click the "E-mail test " button to test your mail server. If you don't receive the email, please contact with your MIS department or change another mail server and try again.

## 3G Network/4G Network (only for MR8000)


**Enable:** ON/OFF

**Access Point Name (APN):** default is Internet.

**Access Number:** default is \*99#

**Username**

**Password**

※ If use 3G (or 4G) to connect network, the bottom screen will display this  **ICON**

## WIFI (only for MR8000)

**Enable:** ON/OFF

**SSID:** input your WIFI AP name.

**Authentication:** input your WIFI AP connect key.

※ If use WIFI to connect network, the bottom screen will display this  **ICON**

※ Remote connection supports up 2 people log in.

Example:



x1 : Represent there 1 person is using LAN connection now.



x1 : Represent there 1 person is using 3G(or 4G) connection now.



x1 : Represent there 1 person is using WIFI connection now.

## Account

### authentication

**User Auth:** ON/OFF

### account

**Group:** Administrator/Guest

### Password

User can setup administrator and guest password

## System tools

### Time Setup

**Date:** Year- Month-Day

**Time:** Hour-Minute-Second

**Display format available:** MM/DD/YYYY, DD/MM/YYYY, YYYY/MM/DD

**Time format:** 12 hour or 24 hour

**Daylight Saving:** ON or OFF, after user selects the time zone, if daylight saving is enable, the DVR will automatically adjust the time

## Display

**Select language**

**CVBS X Adj: 0~9**

**CVBS Y Adj: 0~9**

**CVBS Height adjustment: 0 ~ 9**

**CVBS Width adjustment: 0 ~ 9**

**Video format: PAL ~ NTSC**

You can enable or disable the following function by click or unclick them

- System time
- Channel title
- Record Icon
- Motion Icon
- Alarm Icon
- Network Icon



## Upgrade

After you received the new firmware which name is **image.bin**, just copy it to a usb solid disk formatted in FAT32, insert in the usb port and click upgrade you will this following message

Message	Description
waiting	Starts the upgrade process
Are you sure to upgrade?	The usb key is being initialized, the yes/no will appear after few second
search file	If press yes it will look for the file in the usb key
upgrade system please wait	
1/4 (3/3)	
Upgrade complete. the system will reboot	Press ok to reboot the device

✘**Notice: After the new firmware update, we recommend user to reset the DVR to factory default.**

## Car Info Setup

User can add car info such as: device number, company name, driver name, car number

## Import

User can import or restore setting

Message	Description
waiting	Starts the process
Are you sure to import config	The usb key is being initialized, the yes/no will appear after few second
Import complete! The system will reboot	Press ok to reboot the device

## Export

User can export or backup setting

Message	Description
waiting	Starts the process
Are you sure to export config ?	The usb key is being initialized, the yes/no will appear after few second
Export finish !	Press ok to leave the export mode

Notice: The export file name is *Config*, you can rename it for archive purpose but you must rename it as *Config* if you want to use it to restore setting in your combo DVR

## Default

This enables user to reset setting to default.

Message	Description
waiting	Starts the process
Are you sure to reset default?	Yes to validate, No to cancel
Reset Default Finish!	Press ok to reboot the system

## **System Info**

### **System info:**

Firmware Version, MCU version, Uboot version, UID SN (Internet connection identification code, only MR8000 models)

### **Network Info:**

DVR's IP address, MAC address, netmask, gateway

### **Storage info:**

status mention if the hard disk is correctly working, its model name and storage utilization

### **GPS info:**

Time, Longitude, Latitude, Speed, Height, Direction, Viewable, In use, Fixed status.

※ **The GPS function is only for satellite positioning.**

### **3G info/4G info:**

Enable, signal, IP address, Netmask, Gateway

### **Wifi info:**

Enable, SSID, IP address, Netmask, MAC address, Gateway

## Search



## Backup


User can make a backup of specific period on any usb device such usb key, external usb hdd

## Time Search

Key in specific time to playback the data, select the camera and click **go search**

※ When you use the calendar to select a date, if that day has video record in blue typeface represents

## Event List

User can select the channel, define start and end time, and click the  search Icon.

## Log List

Select the channel

Define start and end time.

MR8000available: system, motion, sensor, video loss, network remote access

And click on Search it will display the results, and then select the event to play it back



## Backup




Insert your usb solid disk and

Select the channel you want to backup, define the time period and after the osd display your usb key free space memory, press **GO BACKUP !**

## Sound

You can adjust the sound volume with  or  from 1 to 15

Select the channel you want to listen by selecting the channel or press mute  to disable sound

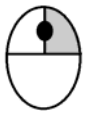
## Split screen


User can choose 1 、 2 、 3 or 4ch to display

## PTZ

User can control the ptz during live display

## Playback



Mouse right click →  Playback

User can playback last recorded file



Fast Rewind



Pause



Play



Fast Forward



Slow forward: it will forward frame by frame



Stop and return to main display



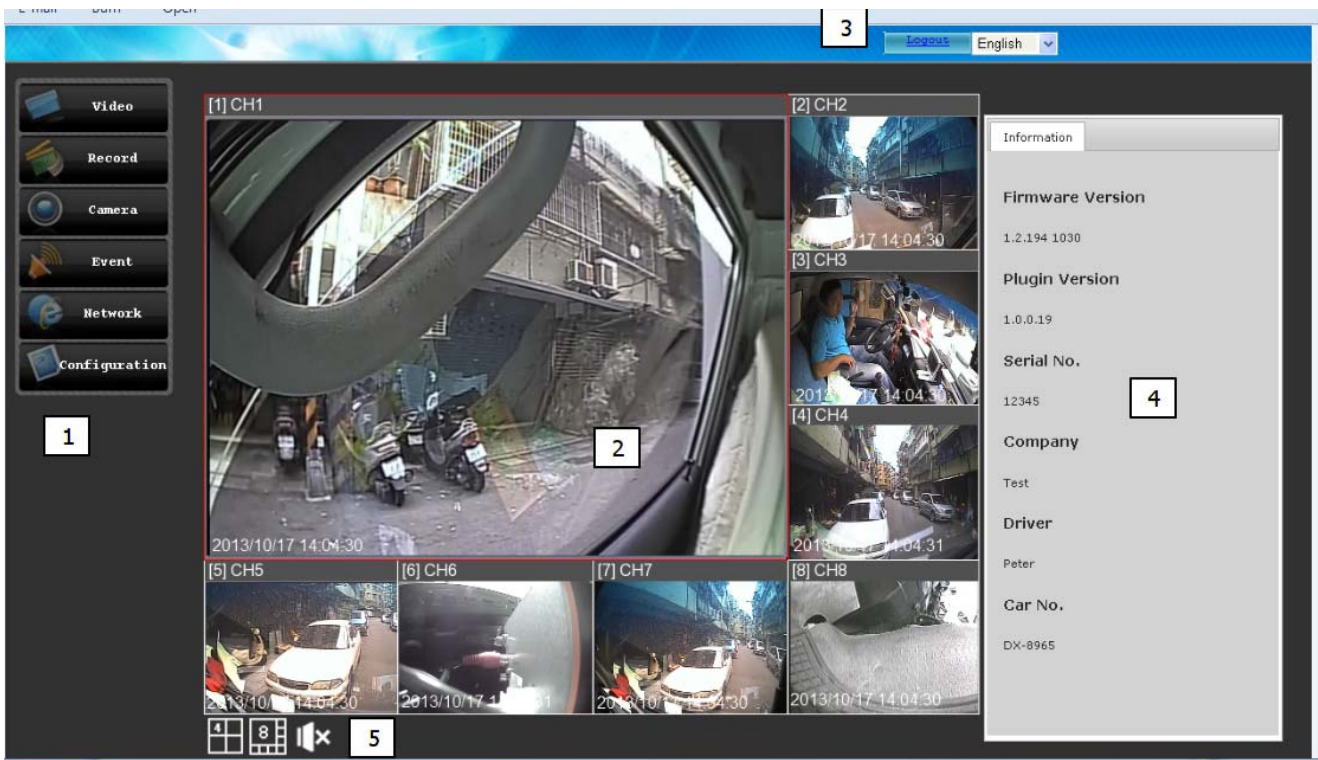
Split screen



Volume adj

## 6. DVR operation via browser

### Live preview



After you log in, you will access to live picture , there are 5 areas:

**1** is all the function of the DVR function are same as main video out

**2** is the main display of the camera, to see a camera in full screen, just double click on it. To return to quad mode, please go to VIDEO/LIVE

**3** is the log out function and language setting, you can choose English, Chinese, Francais and Portugal.

**4** is the information regarding the system (firmware, plugin) and regarding the car (serial number, company, driver name, licence plate number), and also control PTZ

**5** is audio on/off

## OSD operation

### Video

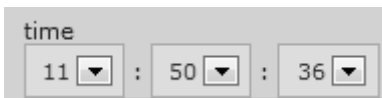
**Live** *please check page 11 for more information*

### Playback

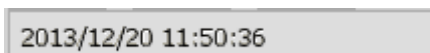
After you make sure that you have enabled video recording, you can playback a video.  
Select the date on the calendar




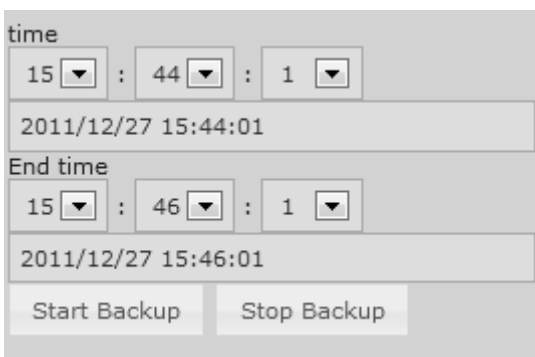
Then select the time you want to watch



Check on below line if it is the period you need



If data are available a  will appear, then press PLAYBACK,



if you press BACKUP then you have to specify the period then press START BACKUP  
you will have to specify the folder destination

The backup process in % will appear in each channel



When backup is finished, a confirmation message will display.

Then press Live display to return to normal operation



# Record

## Record

The screenshot shows the 'Record Configuration' menu with the following settings:

Channel	<input checked="" type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3	<input type="checkbox"/> 4	<input type="checkbox"/> 5
	<input type="checkbox"/> 6	<input type="checkbox"/> 7	<input type="checkbox"/> 8		
Record	<input type="checkbox"/> OFF	<input checked="" type="checkbox"/> ON			
Frames Per Second	<input type="text" value="30"/>				
Quality	<input type="checkbox"/> Low	<input type="checkbox"/> Normal	<input checked="" type="checkbox"/> High		
Resolution	<input type="checkbox"/> CIF	<input type="checkbox"/> HalfD1	<input checked="" type="checkbox"/> D1		
Audio	<input type="checkbox"/> OFF	<input checked="" type="checkbox"/> ON			

User can choose to record one specific channel or all channel.

User can enable or disable record.

Quality level: you can select between low, normal and high quality

Enable or disable audio recording on all channel

When HDD storage is damage or record fail, the SD CARD will automatically doing the record.

(※ SD CARD can support up to 32GB and need to format FAT32 before using.)

(※ Does not support hot-swappable SD card, do not remove the SD card while in use)

## General configuration

### Record

The screenshot shows the 'Record Configuration' menu with the 'General Configuration' section expanded, showing the following settings:

Post-record (sec)	<input type="text" value="30"/>
Overwrite	<input type="checkbox"/> OFF <input checked="" type="checkbox"/> ON

Apply

Apply ALL

Post record 0~30 sec

Enable or disable overwriting on hard disk

**Ignition off:** After you switch off the power, the user can setup ignition off time

### Ignition OFF

Postpone Time	OFF	30SEC	5MIN	10MIN	15MIN
	20MIN	25MIN	30MIN	35MIN	40MIN
	45MIN	50MIN	55MIN	60MIN	

Apply

### Streaming setup

#### Streaming

Quality:

Frames Per Second:

Keyframe (sec):

Apply

### Camera setting

The screenshot displays a camera control interface. On the left, a grid of eight channels is shown, labeled [1] CH1 through [8] CH8. Channels [1] through [4] are stacked vertically, while [5] through [8] are in a single row. All channels in the grid are currently displaying "VIDEO LOSS" in yellow text on a blue background. On the right, a "Camera" settings panel is visible. It includes a "Channel" dropdown menu set to "1", a "Camera Title" field containing "CH 1", and sliders for "Brightness", "Contrast", "Saturation", and "Hue", each with a numerical value of "5". An "Apply" button is located at the bottom of the settings panel. At the bottom left of the grid, there are icons for a 4x4 grid, a 2x2 grid, and a speaker with a mute symbol.

User can change camera title

User can adjust camera brightness, contrast, saturation and Hue. Press apply to validate your choice

# Event

## VLOSS

### VLoss

---

Channel	<input checked="" type="checkbox"/> CH 1	<input type="checkbox"/> CH 2	<input type="checkbox"/> CH 3	<input type="checkbox"/> CH 4	<input type="checkbox"/> CH 5
	<input type="checkbox"/> CH 6	<input type="checkbox"/> CH 7	<input type="checkbox"/> CH 8		
Enable	<input type="checkbox"/> OFF	<input checked="" type="checkbox"/> ON			
Dwell	<input type="text" value="5"/>				
E-mail	<input checked="" type="checkbox"/> OFF	<input type="checkbox"/> ON			
Alarm Out	<input type="text" value="1"/>				

---

Select the channel you want to display video loss message.

Dwell time: 0 to 9 seconds

Email: disable or enable

Alarm out: if user wants send alarm out when video loss, click on the 1 so it has a click

## Motion detection

Motion

---

Channel	<input checked="" type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3	<input type="checkbox"/> 4	<input type="checkbox"/> 5
	<input type="checkbox"/> 6	<input type="checkbox"/> 7	<input type="checkbox"/> 8		
Enable Motion Detect	<input checked="" type="checkbox"/> OFF	<input type="checkbox"/> ON			
Record	<input checked="" type="checkbox"/> OFF	<input type="checkbox"/> ON			
Dwell (sec)	<input type="text" value="5"/>				
E-mail	<input checked="" type="checkbox"/> OFF	<input type="checkbox"/> ON			
Alarm Out	<input type="text" value="1"/>				
Popup	<input checked="" type="checkbox"/> OFF	<input type="checkbox"/> ON			
Sensitivity	<input type="text" value="1"/>				

---

Cell Enable: Mouse Left Click , Cell Disable: Mouse Right Click , Block : Press Ctrl + Mouse Click

User can setup motion detection one by one or all at the same time  
 To select a cell: Mouse Left Click, / To deselect a cell: Mouse Right Click,  
 To select or deselect a block: Press Ctrl + Mouse Click  
 Blue area means selected /No color area means not selected  
 User can setup which camera to record in case of motion detection  
 Dwell time: 0 to 9 seconds  
 Email: disable or enable  
 Alarm out: if user wants send alarm out when motion detection, click on the 1 so it has a click  
 Popup: displays a selected camera when motion detection occurs  
 Sensitivity: 1 to 5  
 Press apply to validate your choice

## Sensor

### Sensor

---

Sensor	<input checked="" type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3	<input type="checkbox"/> 4	<input type="checkbox"/> 5	<input type="checkbox"/> 6	<input type="checkbox"/> 7	<input type="checkbox"/> 8
Enable	<input type="checkbox"/> OFF	<input checked="" type="checkbox"/> High						
Record CH	<input checked="" type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3	<input type="checkbox"/> 4	<input type="checkbox"/> 5	<input type="checkbox"/> 6	<input type="checkbox"/> 7	<input type="checkbox"/> 8
Dwell(sec)	<input type="text" value="5"/>							
Popup Priority	<input type="text" value="1"/>							
E-mail	<input type="checkbox"/> OFF	<input checked="" type="checkbox"/> ON						
Alarm Out	<input checked="" type="checkbox"/> 1							
Popup	<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3	<input type="checkbox"/> 4	<input type="checkbox"/> 5	<input type="checkbox"/> 6	<input type="checkbox"/> 7	<input type="checkbox"/> 8

---

**Sensor:** 1 to 8

**Enable:** setup the status of the sensor OFF / NC/ NO

**Record CH:** select which camera to record in case of sensor trigger

**Dwell time:** define the length of the buzzer after each sensor trigger 0 ~ 9 seconds

**Pop up priority**

**Email:** disable or enable

**Alarm out:** in case of sensor trigger, DVR will send a signal via alarm out like a buzzer or flashing red light

**Popup:** 1 ~ 8

## G sensor

### GSensor

---

Enable	<input checked="" type="radio"/> OFF	<input type="radio"/> ON
Threshold	<input type="text" value="3 G"/>	<input type="button" value="v"/>
Dwell(sec)	<input type="text" value="5"/>	<input type="button" value="v"/>
E-mail	<input checked="" type="radio"/> OFF	<input type="radio"/> ON
Alarm Out	<input type="text" value="1"/>	

---

**Enable:** ON/OFF

**Threshold:** OFF ~ 5g

**Dwell time:** define the length of the buzzer after each motion detection 0 ~ 9 seconds

**Email:** can send an email to predefined address in case of the event

**Alarm out:** in case of G-sensor detects a variation, DVR will send a signal via alarm out like a buzzer or flashing red light

## Speed event

### Speed Event

---

▼ Configuration

---

Enable	<input checked="" type="radio"/> OFF	<input type="radio"/> ON
Unit	<input checked="" type="radio"/> KPH	<input type="radio"/> MPH

▶ High Speed

▶ Low Speed

---

This page let user to enable or disable the speed event detection

Unit can be kilometer per hour kph or mile per hour mph

User can enable or disable high speed detection, specify the highest speed threshold, its dwell time from 0 to 9 seconds, if send email or not and if enable the alarm out or not

## High Speed

### Speed Event

---

Configuration

High Speed

---

Enable	<input checked="" type="radio"/> OFF	<input type="radio"/> ON
Threshold(KPH)	<input type="text" value="100"/>	
Dwell	<input type="text" value="5"/>	
E-mail	<input checked="" type="radio"/> OFF	<input type="radio"/> ON
Alarm Out	<input type="text" value="1"/>	

Low Speed

Apply

## Same setting applies for Low Speed detection

## Network

### Network Settings

---

Host Name	<input type="text" value="H264Server"/>	
DHCP	<input checked="" type="radio"/> OFF	<input type="radio"/> ON
IP Address	<input type="text" value="192.168.6.181"/>	
Subnet Mask	<input type="text" value="255.255.0.0"/>	
Default Gateway	<input type="text" value="192.168.6.254"/>	

---

Apply

This side enables user to setup network in order to remotely connect to it for example with a notebook for maintenance.

If the network has a DHCP server, you can enable this function.

Please make sure that gateway and subnet mask are the same on both side.

## Net Service

---

Server Ip	<input type="text" value="192.168.0.241"/>
Server Port	<input type="text" value="8788"/>
Http Port	<input type="text" value="80"/>
Streaming Port	<input type="text" value="554"/>
Msg Port	<input type="text" value="1999"/>
DNS	<input type="text" value="8.8.8.8"/>
Register Timing	<input type="radio"/> OFF <input checked="" type="radio"/> 10 (sec) <input type="radio"/> 30(sec) <input type="radio"/> 60 (sec)
Streaming	<input checked="" type="checkbox"/> 1 <input checked="" type="checkbox"/> 2 <input checked="" type="checkbox"/> 3 <input checked="" type="checkbox"/> 4 <input checked="" type="checkbox"/> 5 <input checked="" type="checkbox"/> 6 <input checked="" type="checkbox"/> 7 <input checked="" type="checkbox"/> 8

---

## Register timing

## Streaming

If your network has a router, please make sure to open these ports in order to enable smooth access to the dvr via browser or vms software.

All these port can be customized according to your needs

# Email

## E-Mail Settings

---

SMTP Server	<input type="text" value="0"/>
Port	<input type="text" value="587"/>
SSL	<input checked="" type="radio"/> OFF <input type="radio"/> ON
Sender	<input type="text" value="0"/>
Recipient	<input type="text" value="0"/>
SMTP Authentication	<input checked="" type="radio"/> OFF <input type="radio"/> ON

---

**Notice:**

Due to the authorization problem, some mail server will not work properly. Please click the "Mail Test" button to test your mail server. If you don't receive the email, please contact with your MIS department or change another mail server and try again.

SMTP server: we recommend to use gmail

Port: check with port your SMTP server is using

SSL: enable or disable according to your SMTP server

Sender: key in the email of the sender

Recipient: key in the email of the person who will receive notification in case of event.

SMTP authentication: enable or disable according to your SMTP server if it's enable user need to provide the mail account and password



## Mobile network setting

### Mobile network

---

Enable 3G  OFF  ON

---

### Configuration

Access Point Name(APN)

Access Number

Here you can enable or disable 3G.

Provide information of how to connect to the 3G network (please check your operator for dial up procedure)

## WIFI setting

### WIFI

---

Enable WIFI  OFF  ON

Here you can enable or disable the wifi

## 7. Configuration

### Information

This section shows three type of information:

- Network such IP, http port, streaming port, MAC address and gateway
- Wireless network such as connection type, IP and gateway
- Hard disk such brand size and occupation ration

### System

Network: displays current network setting and MAC address

HDD: displays hard disk brand, model number, size and occupation percentage

### Display

The screenshot displays two sections of a configuration menu:

- Display Setting:** A dropdown menu for language selection. The options are: English (highlighted in orange), 繁體中文, 日文, Deutsch, Français, and Portugal.
- Main Monitor:** A section for status setup. It includes a label "Status Setup" and a row of six checkboxes, all of which are checked:
  - System time
  - Channel Title
  - Record Icon
  - Motion Icon
  - Alarm Icon
  - Network Icon

User can select which items to display

## Account

Account

<ul style="list-style-type: none"><li>admin</li><li>guest</li></ul>	User ID: <input type="text" value="admin"/>
	Password: <input type="password" value="••••"/>
	Re-Password: <input type="password"/>
	Group: <input type="text" value="Administrator"/>
	<input type="button" value="Remove"/> <input type="button" value="Add"/> <input type="button" value="Update"/>

Two level of user can be define and unlimited account can be created

Guest can only see live picture

Administrator as full authority on the device

Cell phone and Email are just for reference and optional

## Date and time

▼ Date Time Format

Date Format	<input type="button" value="YYYY/MM/DD"/>	<input type="button" value="MM/DD/YYYY"/>	<input type="button" value="DD/MM/YYYY"/>
Hour Format	<input type="button" value="12H"/>	<input type="button" value="24H"/>	

Select your preferred date format and hour format here

▼ Daylight Saving

Enable	<input type="button" value="OFF"/>	<input type="button" value="ON"/>
--------	------------------------------------	-----------------------------------

Enable or disable daylight saving, according to the time zone, it will automatically turns it on and off at the right time

▼ Time Setup

Synchronized	<input type="button" value="Sync PC"/>
Time Zone	<input type="text" value="(GMT+08:00) Taipei"/>
date	<input type="text" value="2013-12-20"/>
time	<input type="text" value="13:35:19"/>

Here you can manually setup your device time or synchronize with your computer time

## Car information

Modify Serial number, Company name, Driver name and License number

## Format

Format

Model Name	Capacity	Health	Usage	
TOSHIBA MK3276	320.0 GB	Usable	6	<input type="button" value="Format"/>

User must format the hard disk before start recording

Factory reset

Once press this option a warning message will appear asking you if you want to reset, press YES to apply

**Factory reset**

▲ Are you sure to reset ?

**system reboot , please wait...**

**Reset Default finish!**

Press ok

# Log

## Log List

---

Start Time	<input type="text" value="2011-12-28 17:47:1"/>	<input type="text" value="17"/>	:	<input type="text" value="47"/>	:	<input type="text" value="1"/>	<input type="button" value="Search"/>
End Time	<input type="text" value="2011-12-28 17:47:1"/>	<input type="text" value="17"/>	:	<input type="text" value="47"/>	:	<input type="text" value="1"/>	<input type="button" value="Backup"/>
Channel	<input type="button" value="1"/>	<input type="button" value="2"/>	<input type="button" value="3"/>	<input type="button" value="4"/>			
Type	<input type="button" value="System"/>	<input type="button" value="Event"/>	<input type="button" value="Error"/>	<input type="button" value="Operate"/>			

---

<input type="button" value="First"/>	<input type="button" value="Previous"/>	page <input type="text" value=""/>	<input type="button" value="Next"/>	<input type="button" value="Last"/>
--------------------------------------	---	------------------------------------	-------------------------------------	-------------------------------------

---

For troubleshooting purpose, you can browse the log

Select the starting and ending time, the channel concerned and use our 4 filters to reduce the number of event then press SEARCH. If you don't select channel, it will display system event.



## Log List

---

Start Time	<input type="text" value="2012-05-24 00:00:00"/>	<input type="text" value="0"/>	:	<input type="text" value="0"/>	:	<input type="text" value="0"/>	<input type="button" value="Search"/>
End Time	<input type="text" value="2012-05-26 23:59:59"/>	<input type="text" value="23"/>	:	<input type="text" value="59"/>	:	<input type="text" value="59"/>	<input type="button" value="Backup"/>
Channel	<input type="button" value="1"/>	<input type="button" value="2"/>	<input type="button" value="3"/>	<input type="button" value="4"/>			
Type	<input type="button" value="System"/>	<input type="button" value="Event"/>	<input type="button" value="Error"/>	<input type="button" value="Operate"/>			

---

<input type="button" value="First"/>	<input type="button" value="Previous"/>	page <input type="text" value="1/3"/>	<input type="button" value="Next"/>	<input type="button" value="Last"/>
--------------------------------------	---	---------------------------------------	-------------------------------------	-------------------------------------

---

Type	Information	Start Time	End Time	Description
Operate	Login	2012-05-26 15:41:41	2012-05-26 15:41:41	192.168.10.64
Operate	Logout	2012-05-26 15:41:22	2012-05-26 15:41:22	192.168.10.64
Operate	Login	2012-05-26 14:20:05	2012-05-26 14:20:05	192.168.10.64
Operate	Login	2012-05-25 21:21:56	2012-05-25 21:21:56	192.168.10.64
Operate	Login	2012-05-25 21:21:54	2012-05-25 21:21:54	192.168.10.64
Operate	Logout	2012-05-25 21:21:37	2012-05-25 21:21:37	192.168.10.64
Operate	Login	2012-05-25 20:25:36	2012-05-25 20:25:36	192.168.10.64
Operate	Login	2012-05-25 17:49:17	2012-05-25 17:49:17	192.168.10.64
Operate	Login	2012-05-25 17:03:52	2012-05-25 17:03:52	192.168.10.64
Operate	Host/Car Setup	2012-05-25 17:01:22	2012-05-25 17:01:22	192.168.10.64

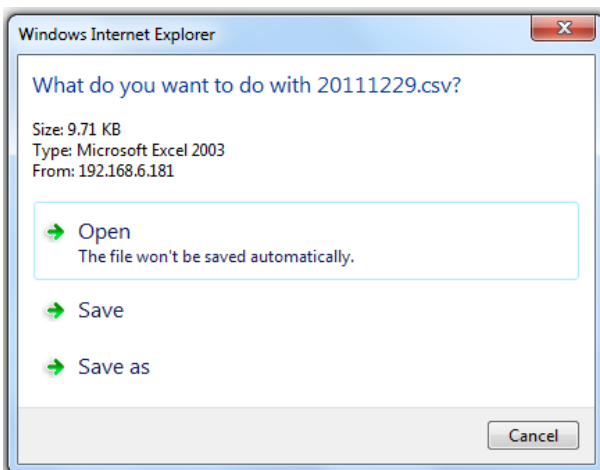
If you want to backup the log, press BACKUP,



Then press download

it will export all the events in one csv file

Choose **Save**



Then open the file with Microsoft Excel or any program supporting csv file

## 8. Vehicle Management Software (VMS) *works only for MR8000*

Our VMS is composed :

A client called MR VMS

A pc viewer called MR PLAYER,

A server software please follow below instructions

### Server software installation

Server main purpose is to receive data from each mobile dvr, so user needs to tell to the dvr the **server IP**, open internet explorer and key in the dvr IP, then go to Network then Port

The screenshot displays the 'Net Service' configuration page. On the left is a vertical sidebar with icons and labels for various system functions: Video, Record, Camera, Event, Network, local, net service, e-mail, mobile network, wifi, and Configuration. The main content area is titled 'Net Service' and contains the following configuration options:

- Server Ip: 192.168.6.241
- Server Port: 8788
- Http Port: 80
- Streaming Port: 554
- Msg Port: 1999
- DNS: 8.8.8.8
- Register Timing: OFF, 10 (sec), 30 (sec), 60 (sec)
- Streaming:  1,  2,  3,  4

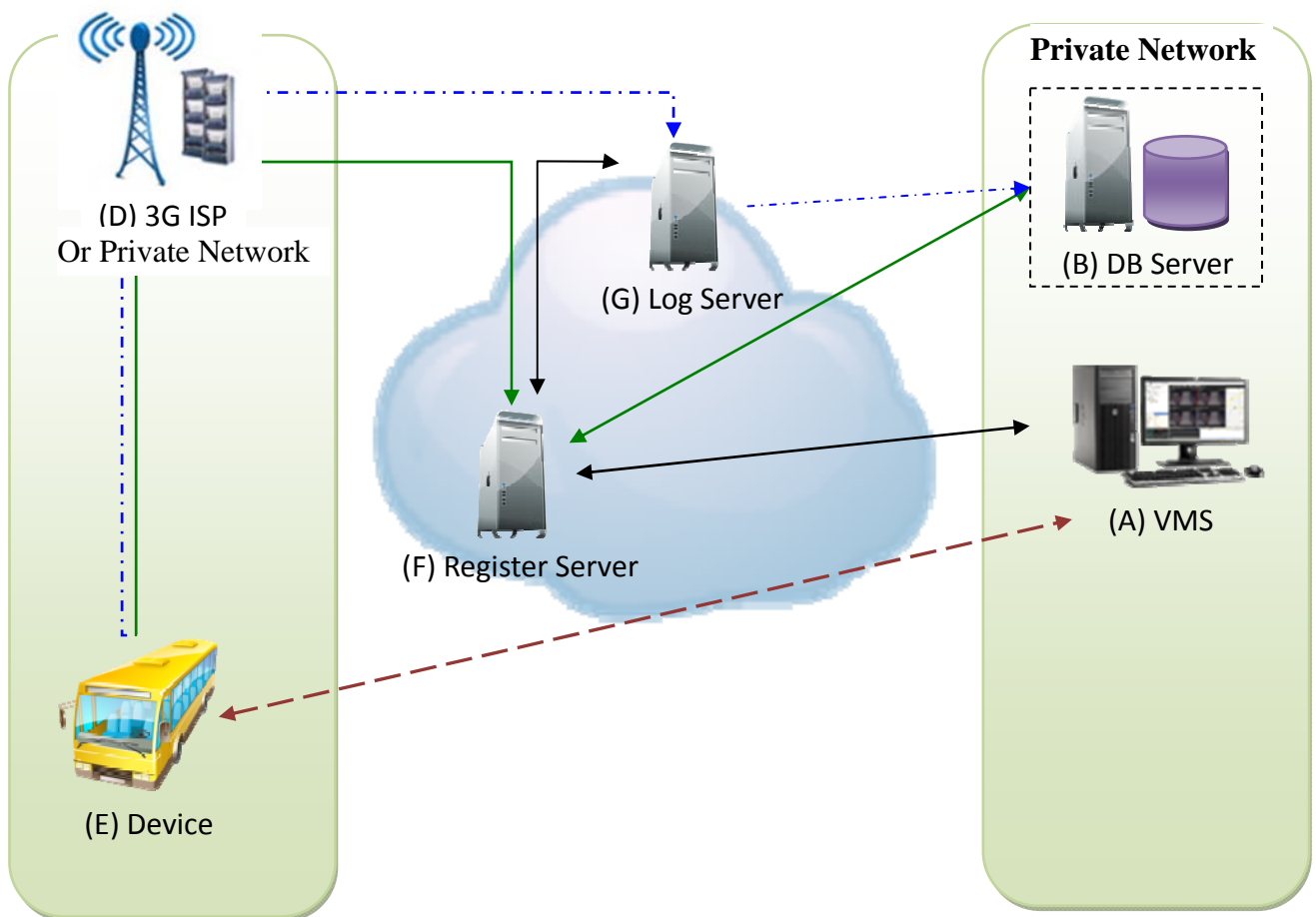
An 'Apply' button is located at the bottom of the configuration area. A black arrow points from the top left towards the 'Server Ip' input field.

## 7. Register Server installation instructions

This guide is aim to install database and server application for mobile DVR ◦

### Achitecture

mobile dvr server and system architecture is based on three server Register Server, Log Server and Database server



System architecture



## 7.1 Basic requirements

Although the server can be built on the same computer, to have the best performance, we recommend that each individual can have a separate server software hardware environment. Database server and application server farm proposal meet the following basic requirements to achieve the best performance.

System hardware basic requirements

Item	Minimum requirements	notice
CPU	32/64bit · above four core · each one at least 1.5GHz	
Memory	Above 4GB	
Hard disk storage	At least 500GB	
Network	Ethernet 100/1000M	Need static IP from telecom provider or setup in the firewall Port Forwarding

Minimum requirements of the software

## 7.2 Database Server setting

(notice : if MS SQLServer is already installed please bypass this step)

7.3 Before install SQL Server 2008 Express please make sure you installed below software

Server type	item	Minimum requirements
Database Server	Operating System	Windows XP above 32/64 bits .Net Framework 2.0 and above
	Database system	SQL Server 2008 Express R2 or above
Register Server	Operating System	Windows XP above 32/64 bits .Net Framework 2.0 and above
Log Server	Operating System	Windows XP above 32/64 bits .Net Framework 2.0 and above

Step 1 : download and install [Microsoft .Net Framework 3.5 SP1](#)

Step 2 : download and install [Windows Installer 4.5](#)

Step 3 : download and install [Windows PowerShell 1.0](#)

7.4 Go to Microsoft website and download SQL Server 2008 R2 SP2 Express or click the following link

<http://www.microsoft.com/en-us/download/details.aspx?id=30438>



Microsoft® SQL Server® 2008 R2 SP2 - Express Edition

Select Language:

Free PC upc

- Security
- Software
- Service p
- Hardwar

Run Mic

Microsoft SQL Server 2008 R2 Express with Service Pack 2 is a free and feature-rich database for developing and deploying SQL Server 2008 R2.

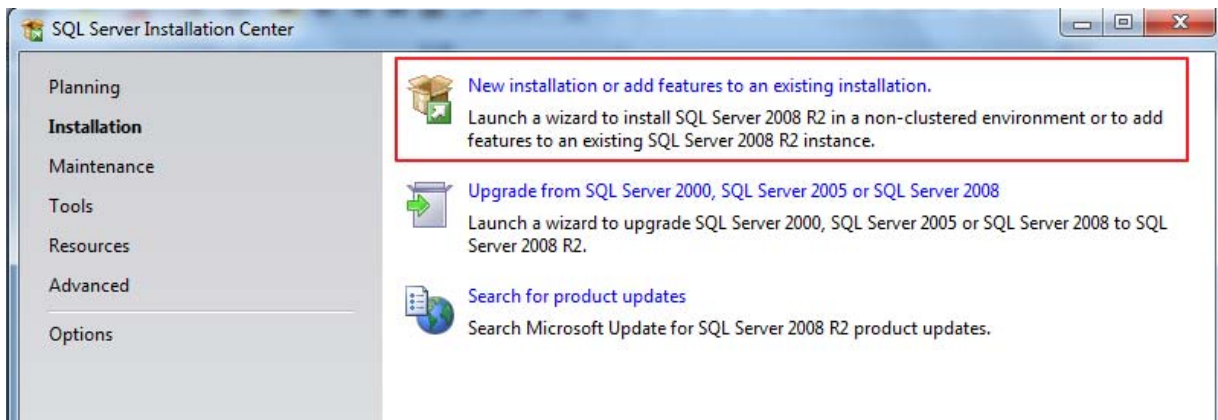
Click on download and select the file SQLEXPRTW\_x86\_ENU.exe then click on NEXT

Choose the download you want

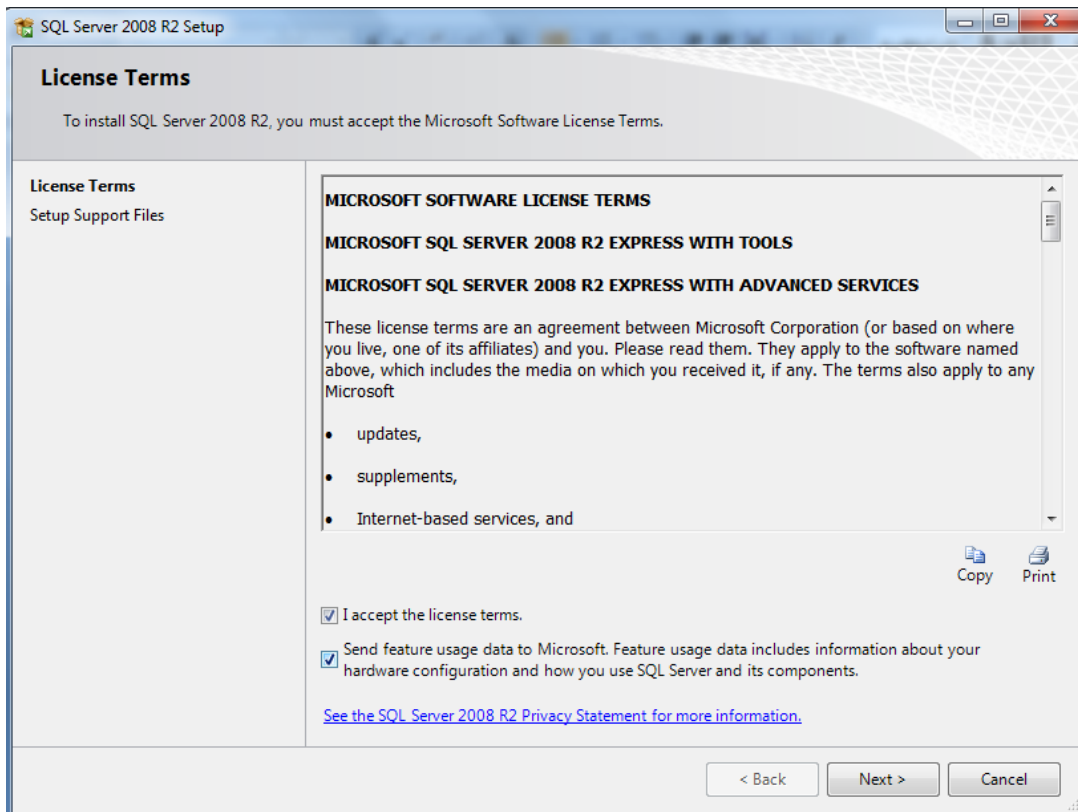
<input type="checkbox"/> File Name	Size
<input type="checkbox"/> SQLEXPADV_x86_ENU.exe	894.1 MB
<input type="checkbox"/> SQLEXPRTW_x64_ENU.exe	340.5 MB
<input type="checkbox"/> SQLEXPRTW_x86_ENU.exe	318.4 MB
<input type="checkbox"/> SQLManagementStudio_x64_ENU.exe	161.0 MB
<input type="checkbox"/> SQLManagementStudio_x86_ENU.exe	158.3 MB

## 7.5 Database server installation with SQL Server 2008 Express

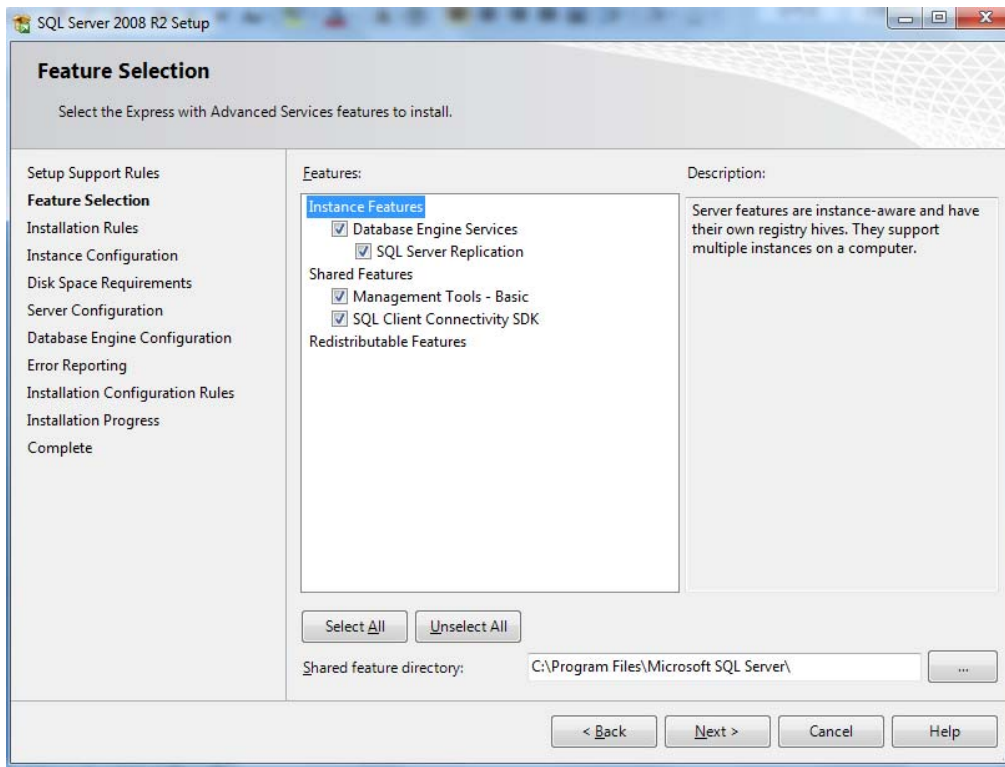
### 7.5.1.1 Launch the application called SQLEXPRTW\_x86\_ENU



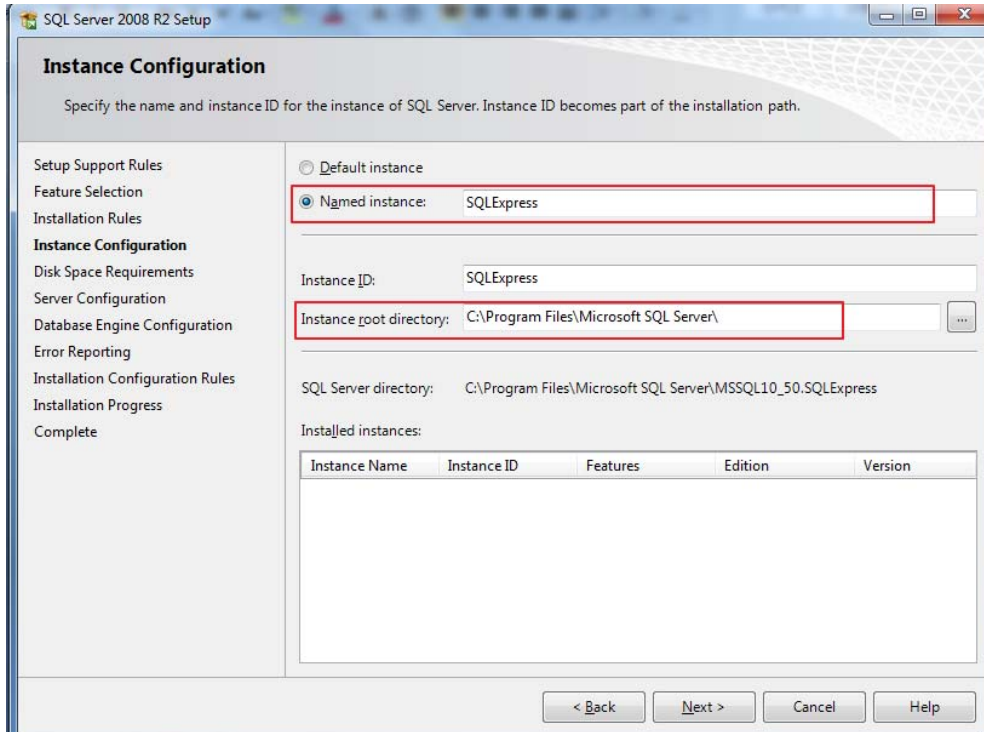
### 7.5.1.2 Accept the licence term and click on next



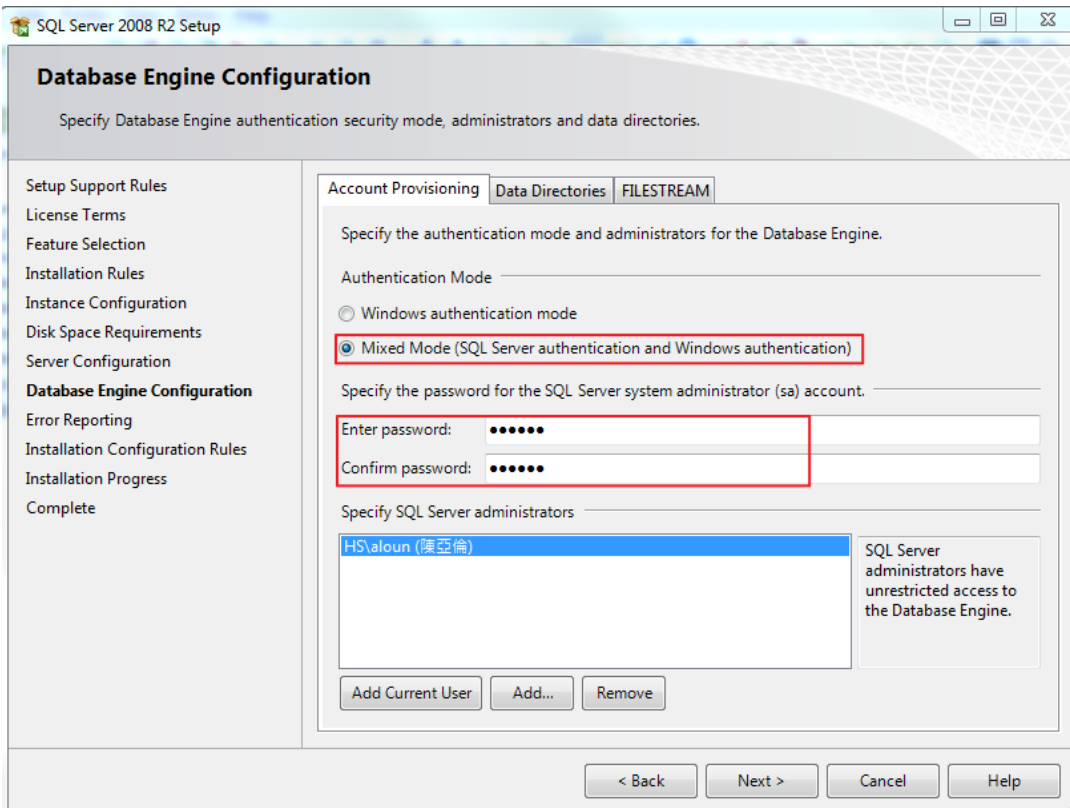
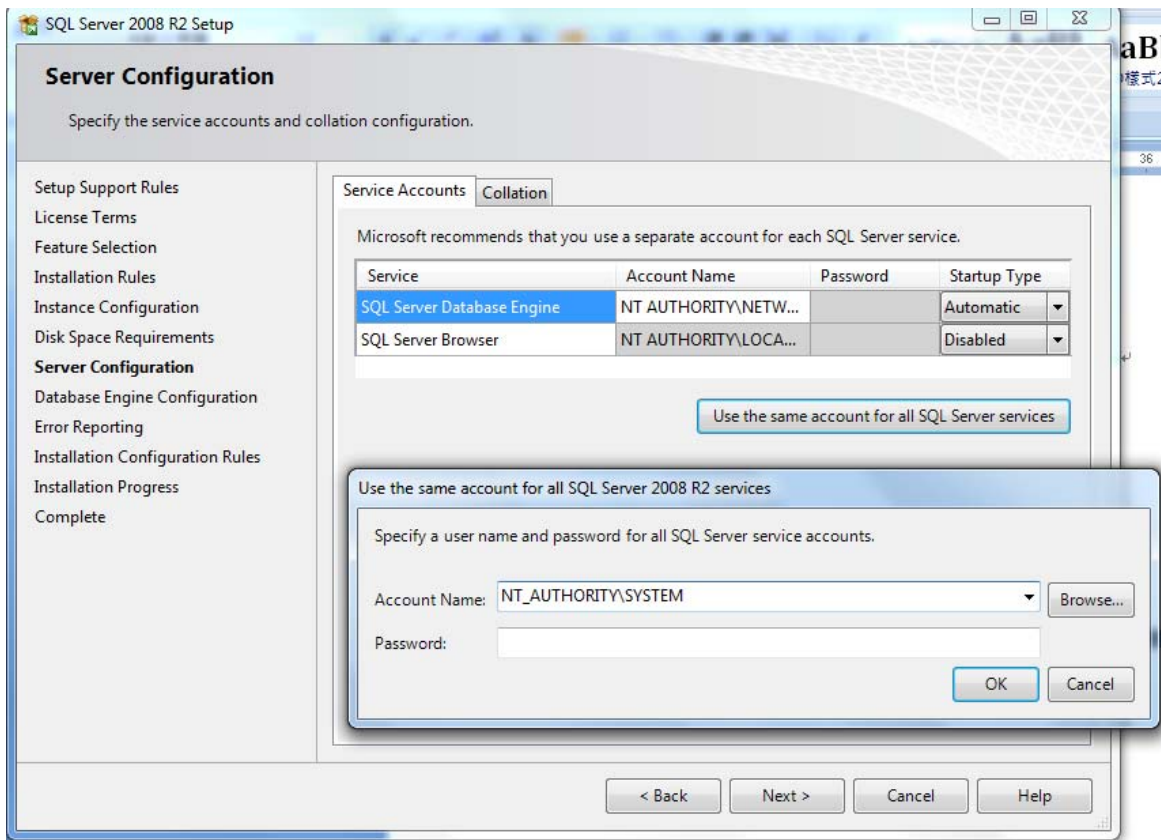
### 7.5.1.3 Select all then click on Next



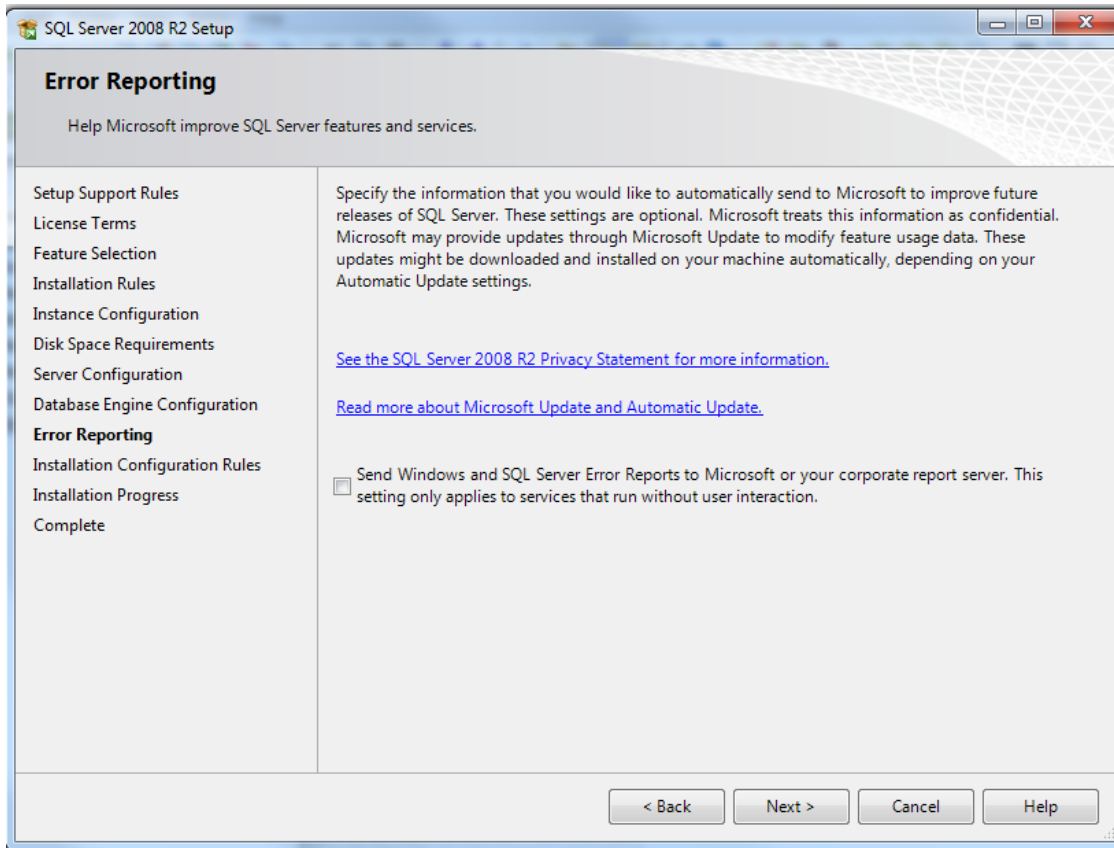
### 7.5.1.4 Setup database server name and path route



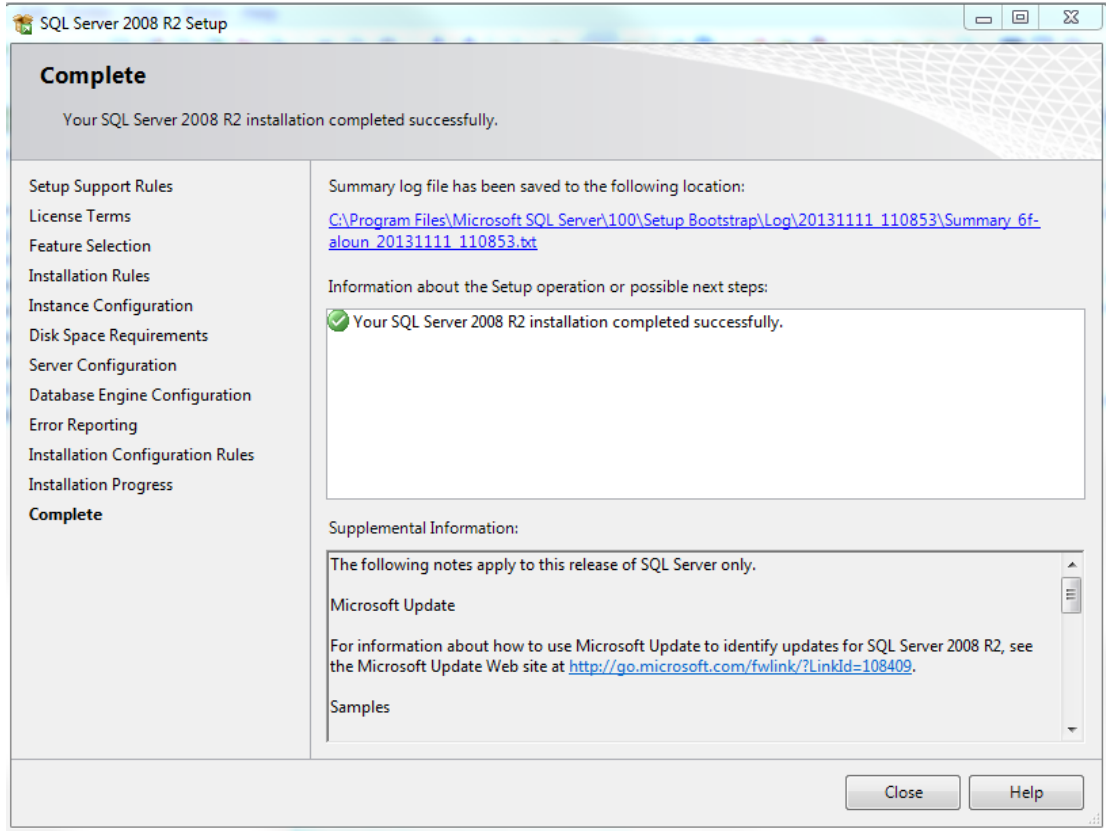
### 7.5.1.5 Set the database server account and specify the account name NT\_AUTHORITY\SYSTEM



### 7.5.1.6 Choose Mixed mode and key a password for database server purpose



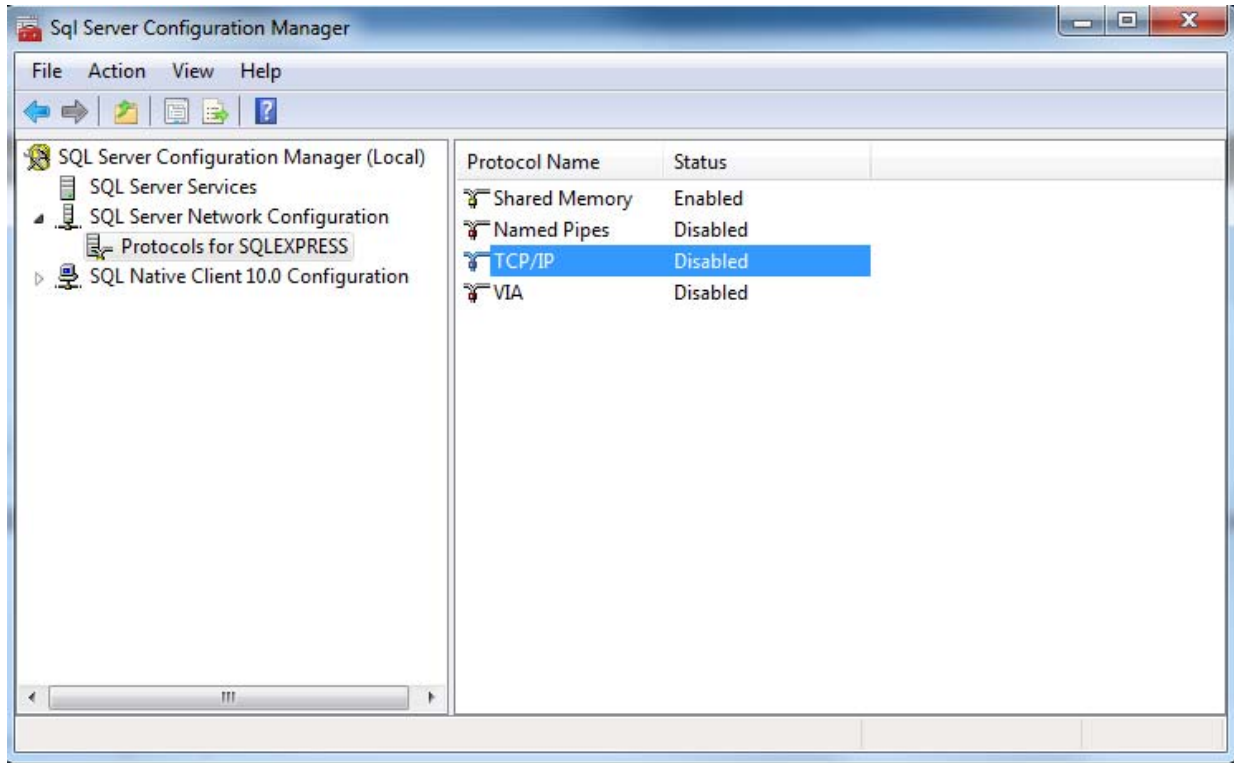
### 7.5.1.7 Click on next the installation is finished



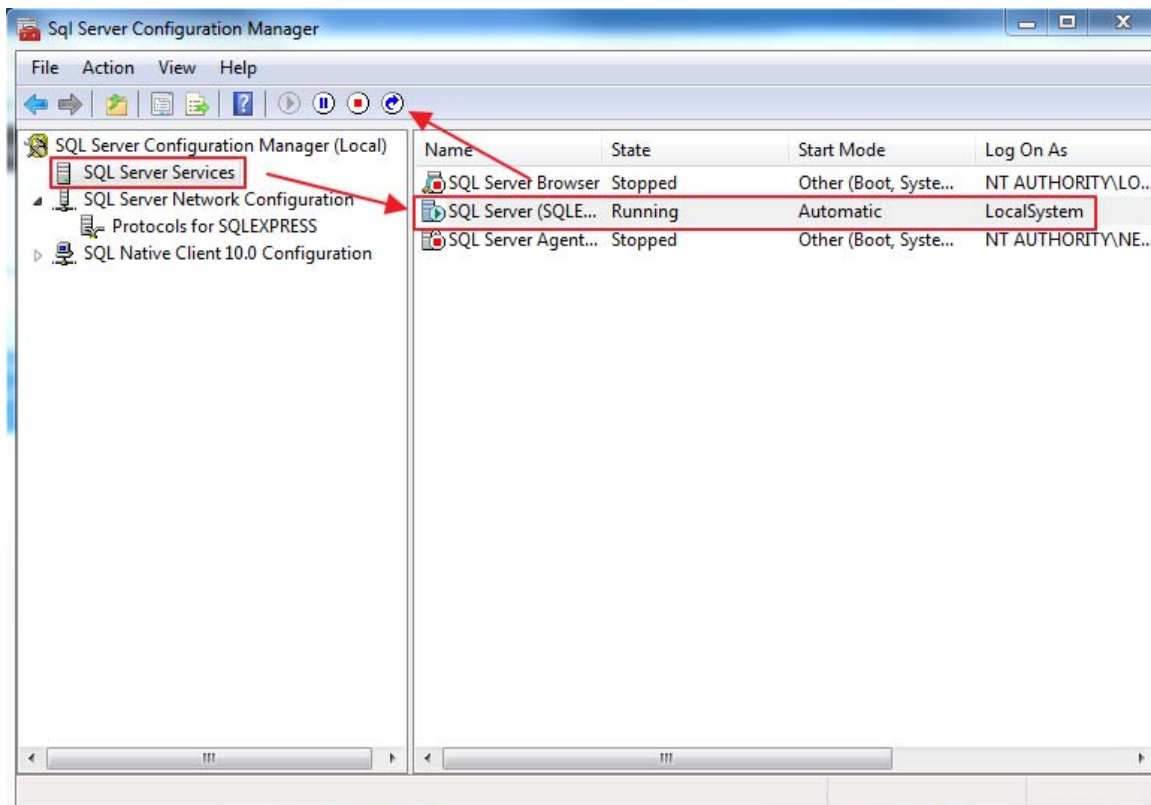
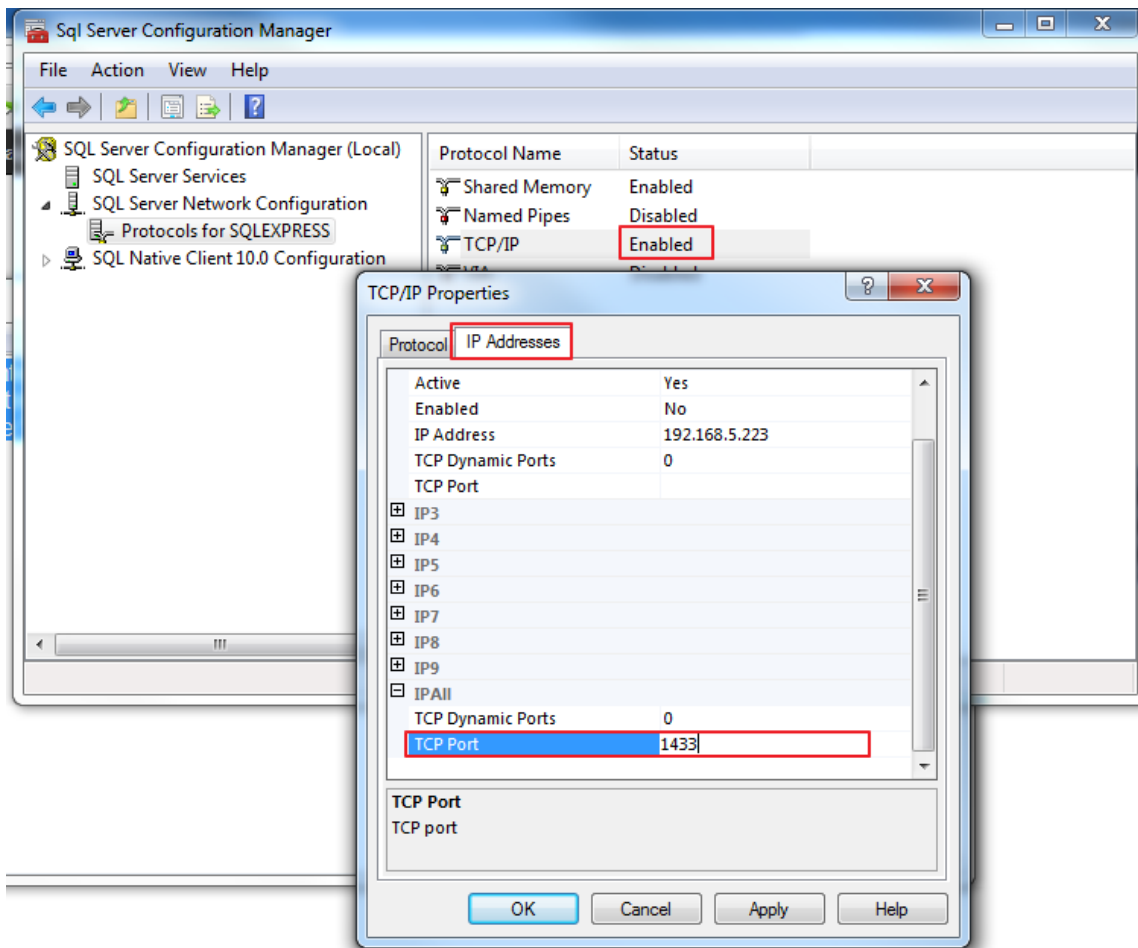
## 7.6 Setting database server in order let the client connect to it

In windows bar, click on start → all program → Microsoft SQL Server 2008 R2 →

Configuration tools → SQL Server configuration manager in TCP/IP option · mouse right  
click TCP/IP choose **enable**



Then right-click on "Properties" to enter the "TCP / IP Properties" settings, switch to the "IP Addresses" tab in the Properties list, go to the last one "TCP port" setting is 1433. Then restart the SQL Server, click the "SQL Server Services" and then select "SQL Server" to restart its services to ensure the changes take effect





## Install Server database

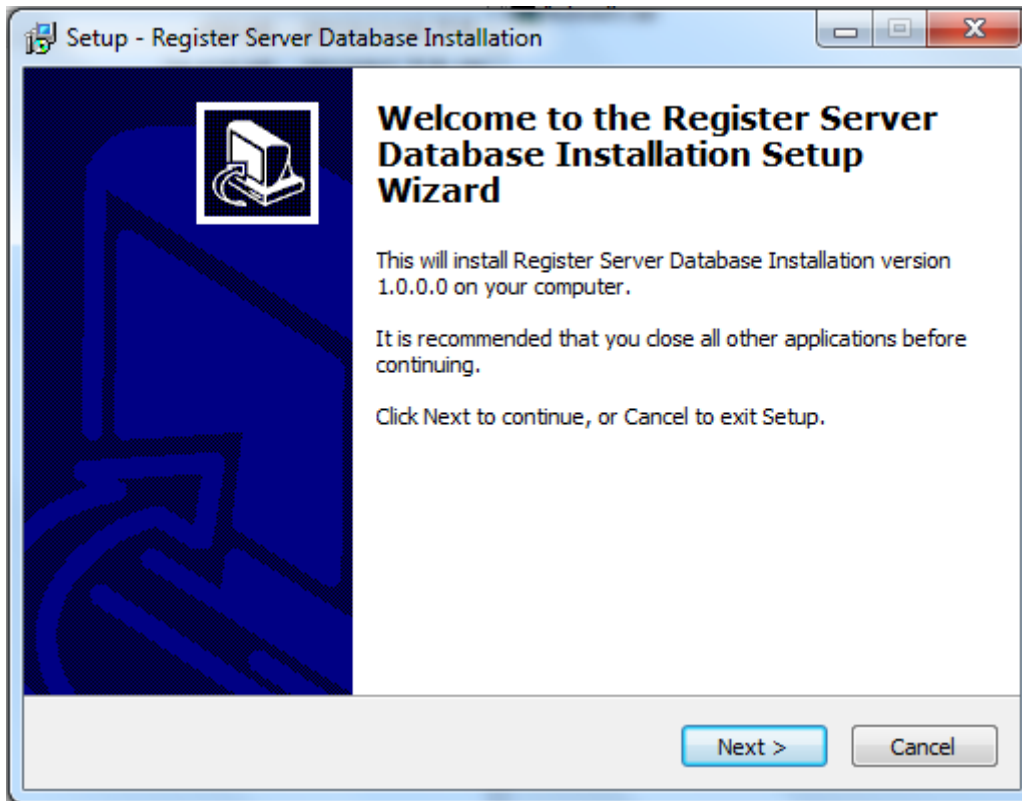
This software is located on the software cd folder called Environment



Launch ServerDBInstall.exe, this installer must enter Database administrator (sa) password and automatically creates the necessary databases and tables, and generate the database dedicated management accounts ddadmin, the default password is 1111, for the first time after installation, please Be sure to modify the password.

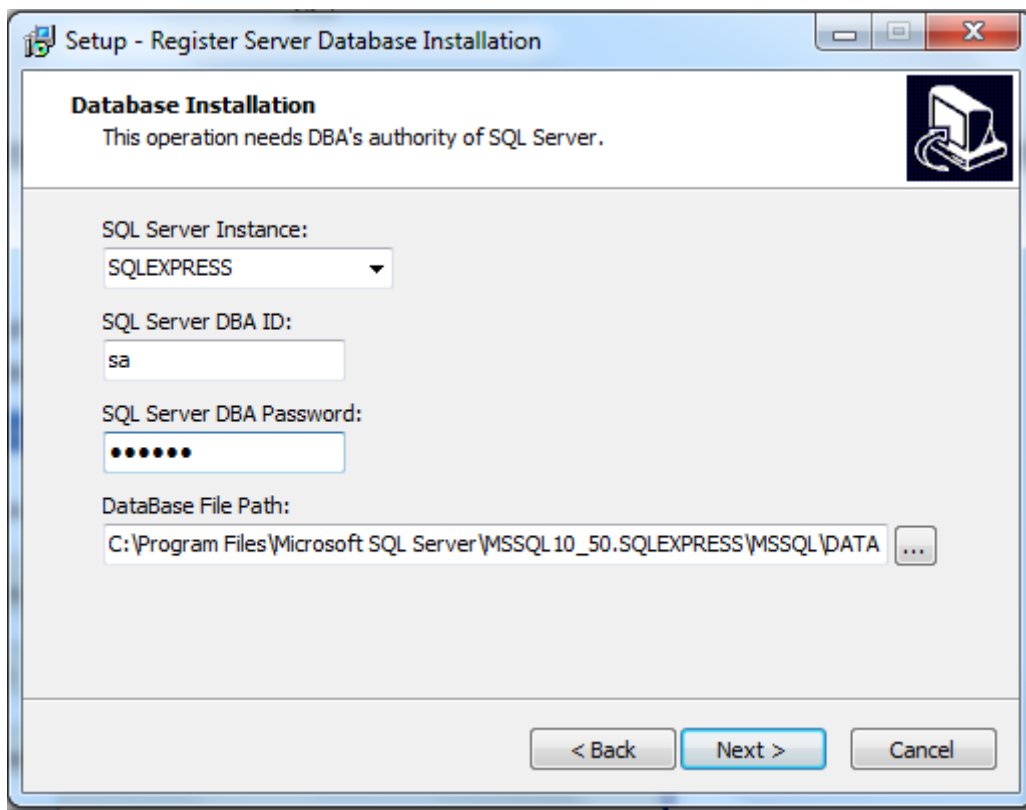
The installer only for database installation, delete function does not provide a database, the database administrator shall be manually deleted, if the repeated execution of the program, the original database data will be cleared, please exercise caution.

Launch Server database installation program



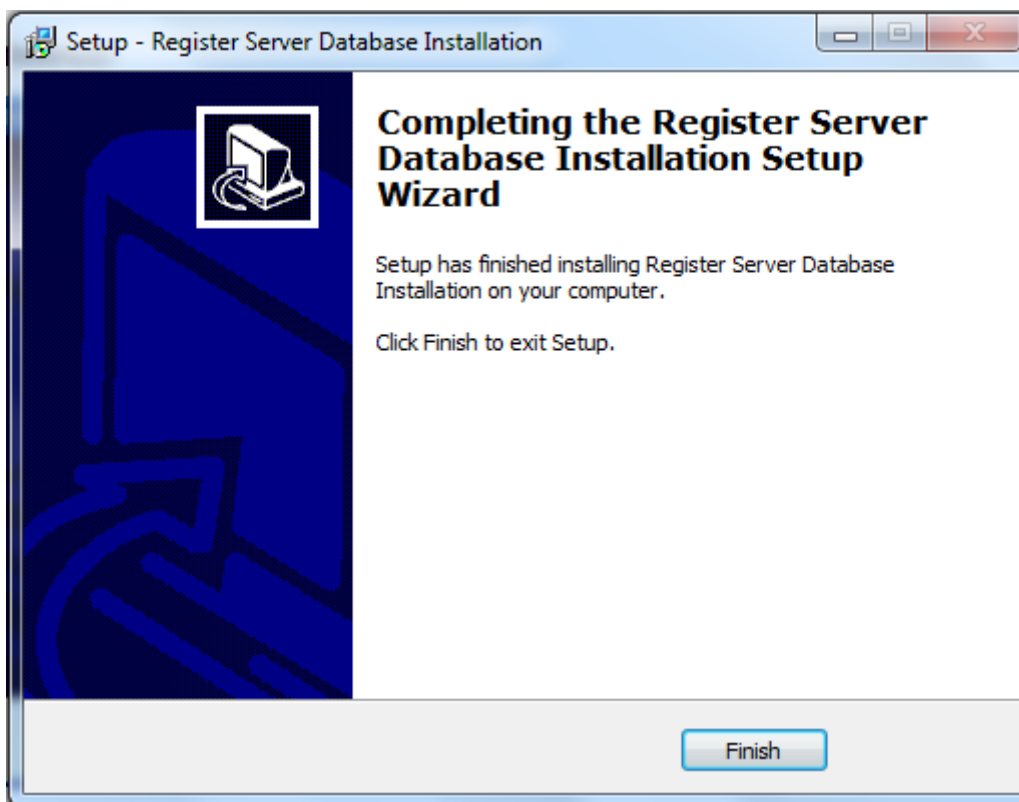
Enter the required information

If the system is not installed MS SQL Server can not continue with the installation, they already exist, the database server can be used, it is in the "SQL Server Instance" field appears optional server name. Please enter a database and the highest privilege management account and password. If you need to change the actual data storage paths can modify "Database File Path" held only recommended default options.

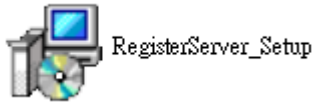


confirm whether you want to continue the installation

- Installation is finished



Install Register server software located in the cd Setup folder on the server pc and follow instructions



Then install the MRVMS software on the client pc and follow instructions



## Operation

**Server side:** launch the application named register-server



Default account and password are admin / 1111

The screenshot shows the 'Register Server (2.0.0.3)' application window. It has a menu bar with 'Device Register List', 'Server List', 'Account Management', and 'Setting'. The main area contains a table with the following columns: RID, CARID, Version, Update Time(UTC), Time..., IP, Gateway, Driver, and Ignition Status. The table lists six registered vehicles. At the bottom, there are navigation buttons, a 'Company' dropdown set to 'All', a 'Status' dropdown set to 'All', and a search icon. A status bar at the very bottom indicates 'Total registered vehicles:6, Online:1, Filtered:6'.

RID	CARID	Version	Update Time(UTC)	Time...	IP	Gateway	Driver	Ignition Status
00-0f-3a-01-d8-08	0	1.2.193 (1030)	2013/11/17 02:28:50	+08:00	192.168.6.181	122.147.146.254	0	ON
00-0f-3a-02-63-2f	DX-8965	1.2.194 (1030)	2013/11/18 01:55:38	+08:00	192.168.6.243	59.124.207.207	Peter	ON
00-0f-3a-02-63-33	昇HS-168	1.2.191 (1025)	2013/11/18 02:24:39	+08:00	42.73.117.226	42.73.117.226	Driver-小Chen	ON
9e-91-69-40-1c-e0	0	1.2.192 (1029)	2011/08/31 01:37:28	+08:00	111.81.190.125	111.81.190.125	0	ON
de-f5-0b-1b-d5-cc	0	1.2.194 (1030)	2011/08/31 00:46:58	+08:00	111.81.133.46	111.81.133.46	0	ON
e2-55-70-e2-d3-1b	0	1.2.194 (1030)	2011/08/31 00:04:58	+08:00	111.81.188.67	111.81.188.67	0	ON

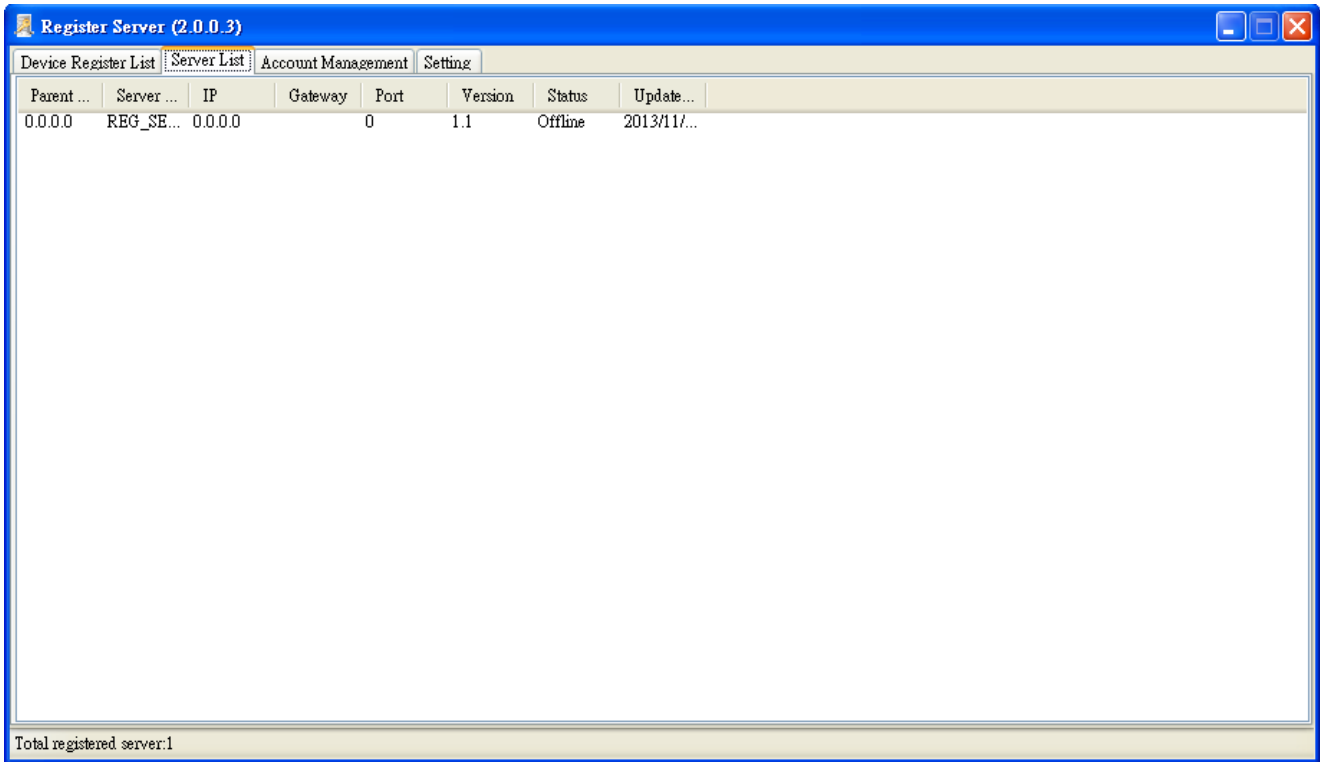
Then you will access to a page showing device connection status

At this page you can see each device registered ID(RID),Car ID, Version of the firmware, Update time, network information and Status

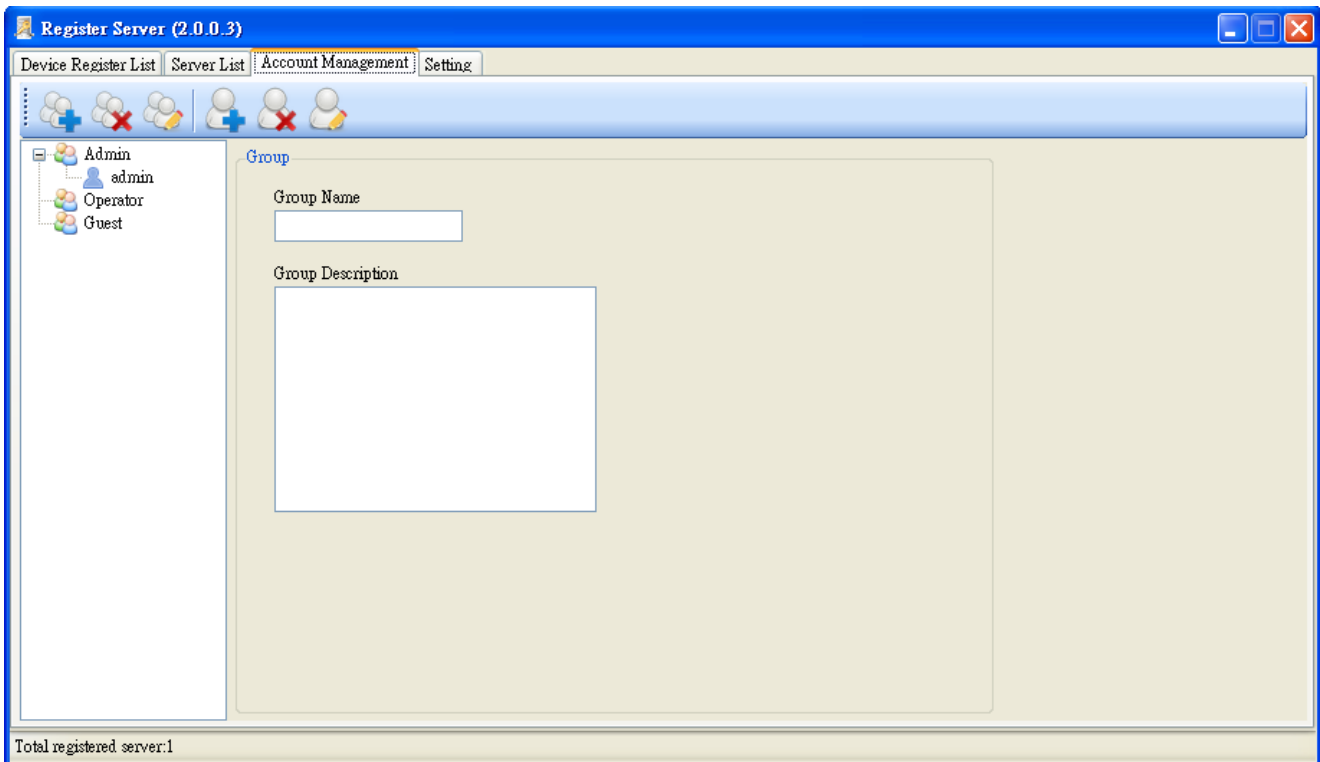


Clear button enables clear the current list, the server will then updates automatically the mobile dvr that can be linked

Click on the second tab will let you access to server list

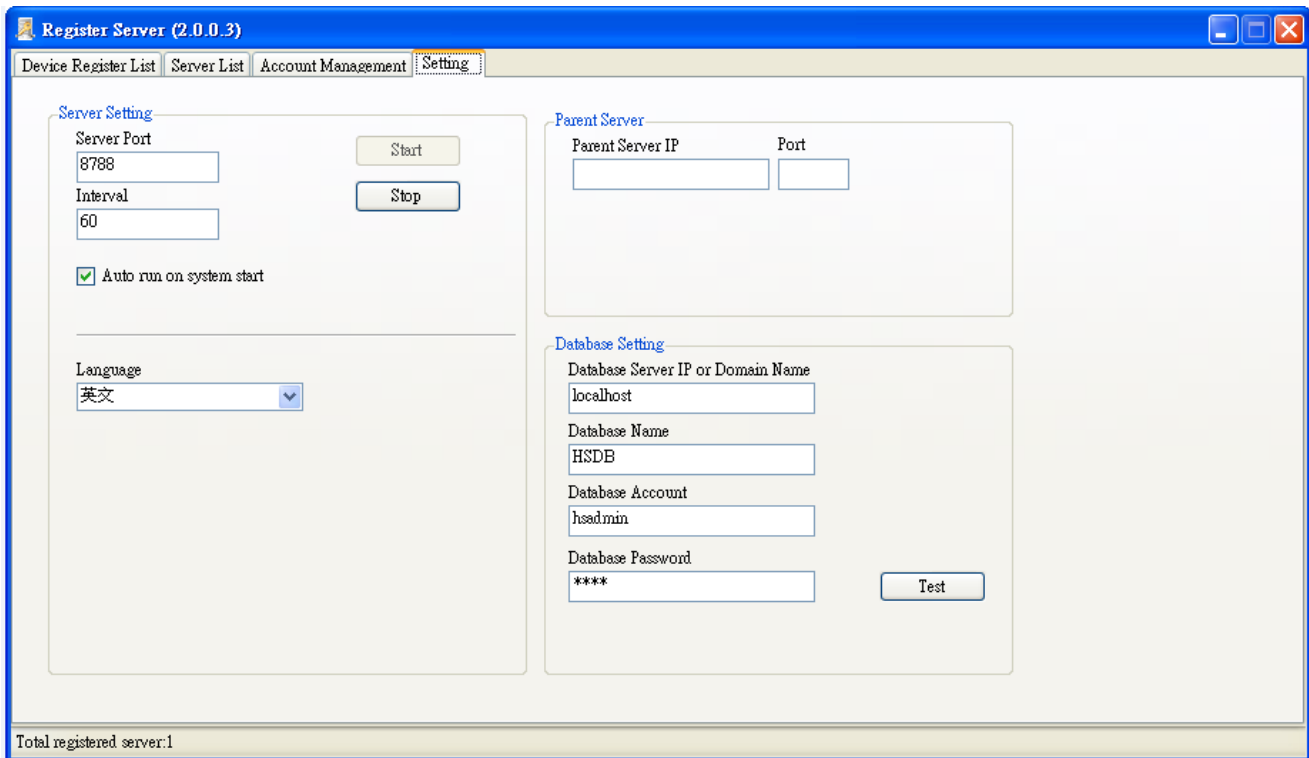


Click on the third tab will let you access to the account management



There are 3 level of account, Administrator, Operator and Guest each can be customized on the right side. This concerns login from cms client,

Click on the fourth tab will let you access to the server setting



Server setting: default port is 8788 , you need to double check on the mobile dvr that the port is the same otherwise the server wont be able to see the device

Start / Stop the service: the default setting is set on enabled but you can manually stop the server

Client side: launch the application called MRVMS



Default account and password are admin / 1111



Specify the server IP, Specify the server streaming port

## Tool bar description



**Full Screen**

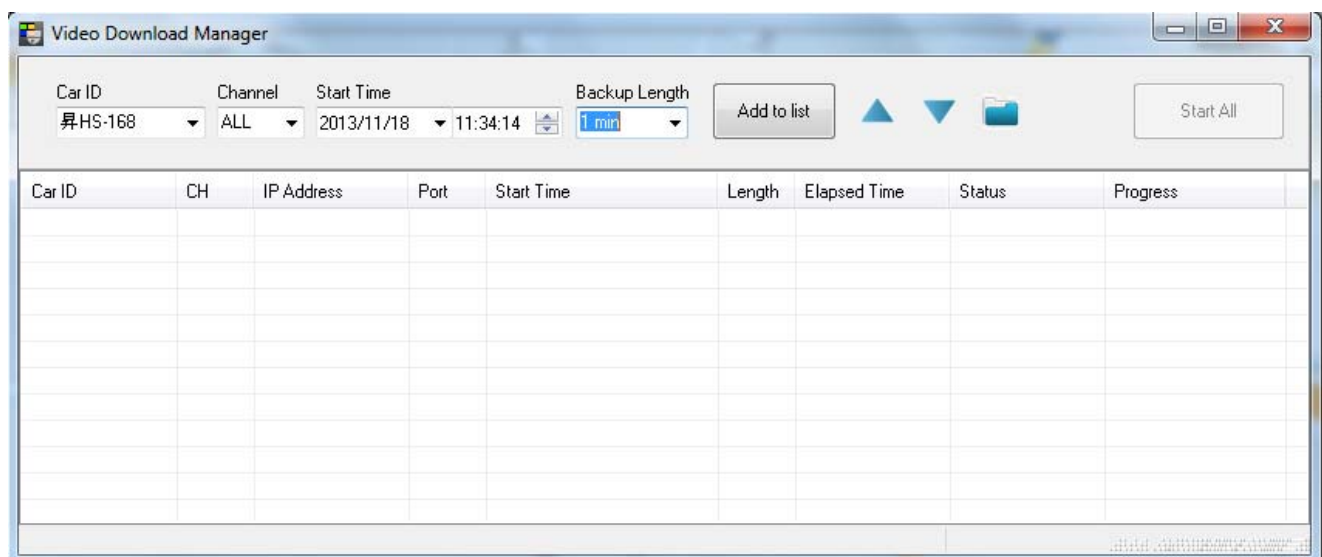
Displays the video in full screen on your monitor, to return to normal mode press ESC button on your keyboard



**Video download Manager**

Download recorded data from the dvr remotely, you can choose the car ID, the channel , the date and time and the backup length and do multiple backup

We recommend to be in LAN or WIFI environment to download the data and avoid be in 3G mode to download as the risk of failure is very high



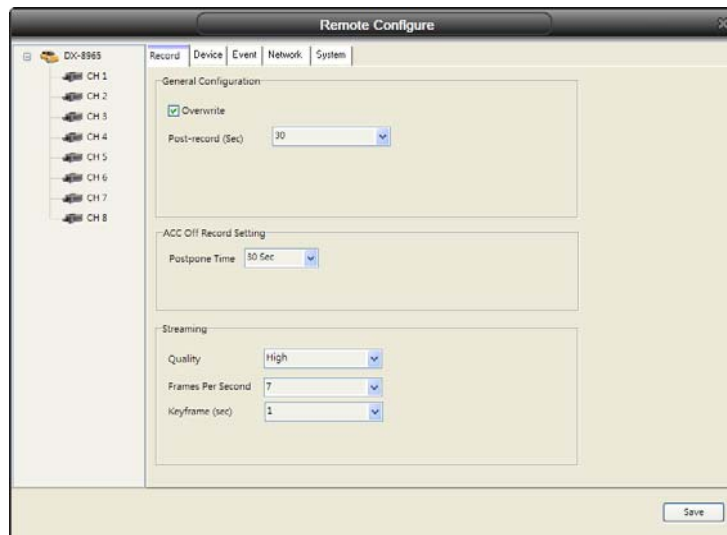




## Remote setting

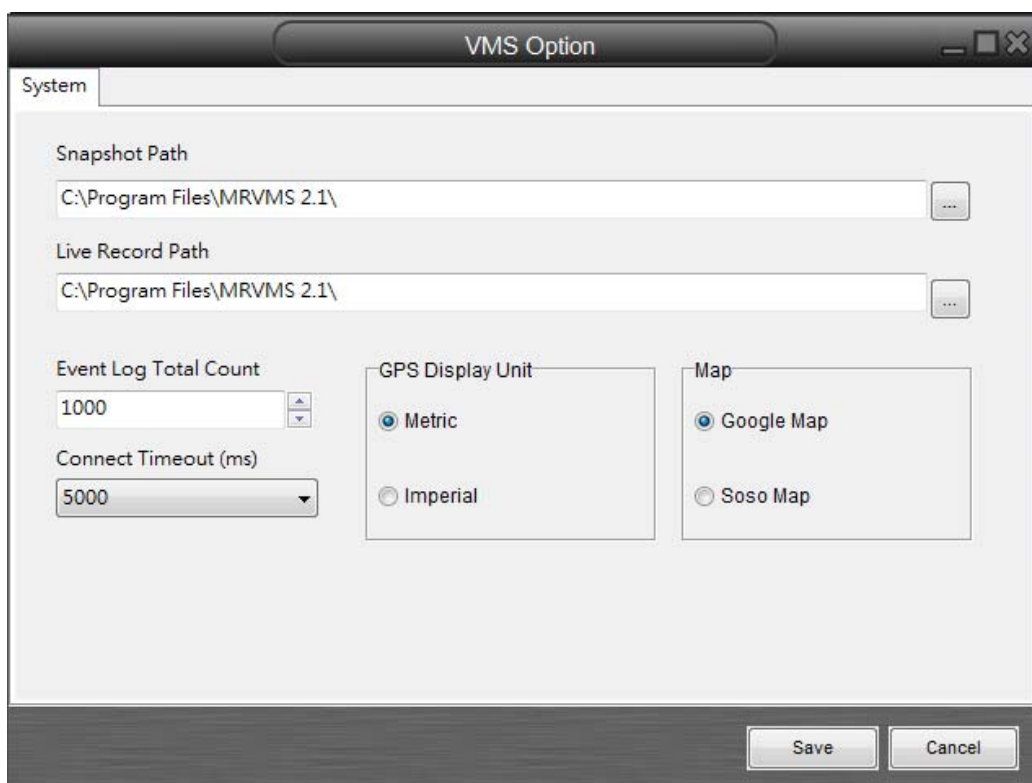
let you remotely setup mobile dvr features

all the functions are the same of the mobile dvr itself , to be able to access to the setting, the dvr must be connected.



## VMS option

Let you setup the snapshot path folder, live record path folder, event log number, GPD displayed unit, and used map

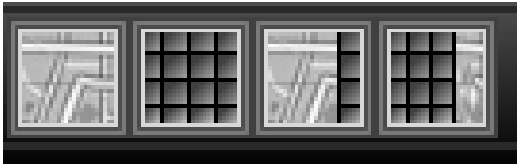




## Vehicle list


Display or hide the vehicle list

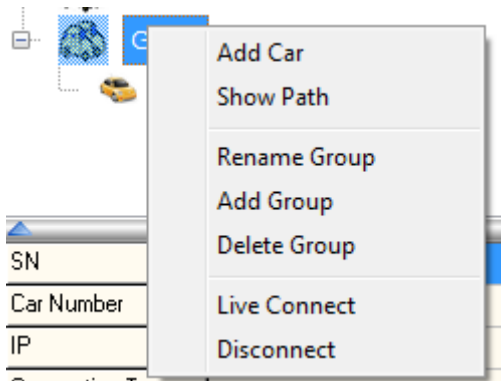
4 type of display are available select the one according to your preference



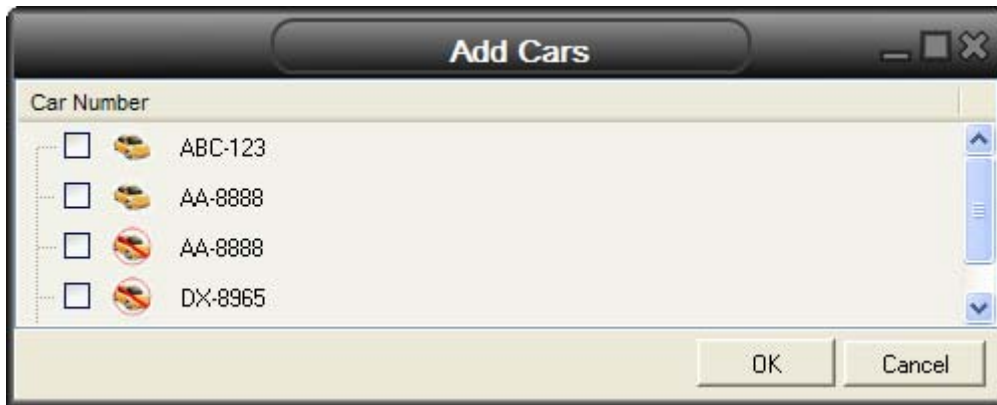
Car list: the program will show connected device with additional information, you can create or delete group for better management and pull one device to a group

SN	00001
Car Number	AB-1688
IP	111.81.100.82
Connection Type	3G
Messenger Port	1999
Http Port	80
Stream Port	554
Company	Test
Driver	Driver-Chen

Before to see live picture, you need to create a group. Click on , a car icon will appear, right click on the mouse to display the functions

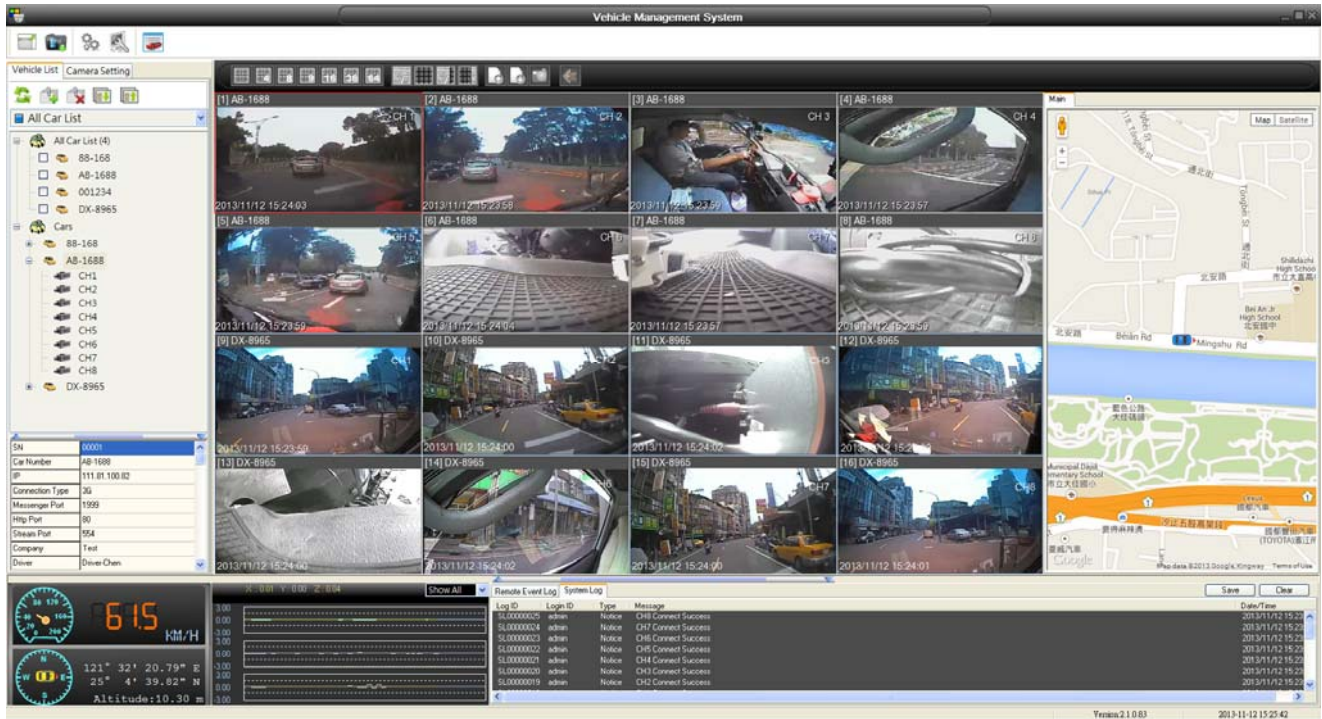


Add car: choose the car you want to add by selecting them

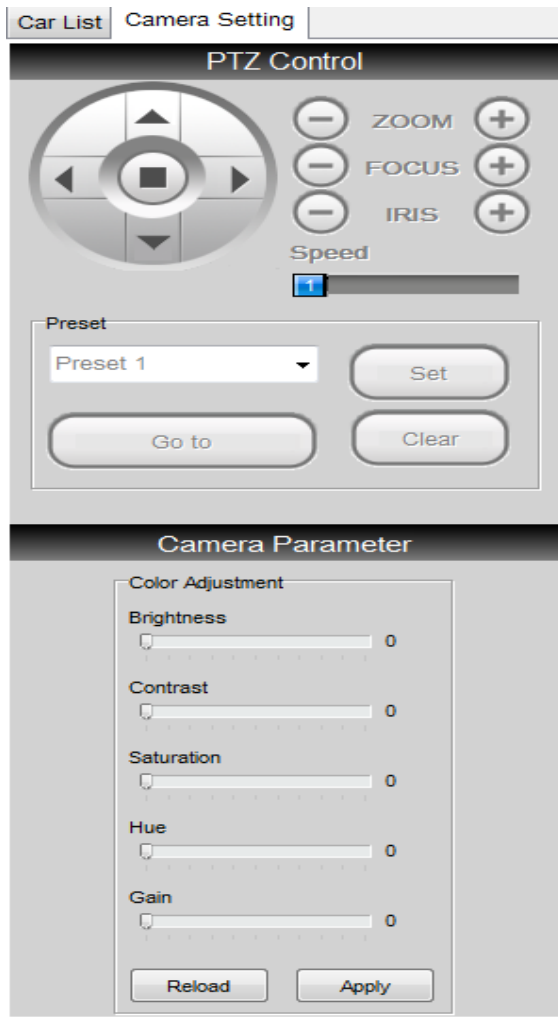


Then valid by pressing OK

Here you can see live picture with gps information



This section allows you to control the ptz camera and adjust the camera quality

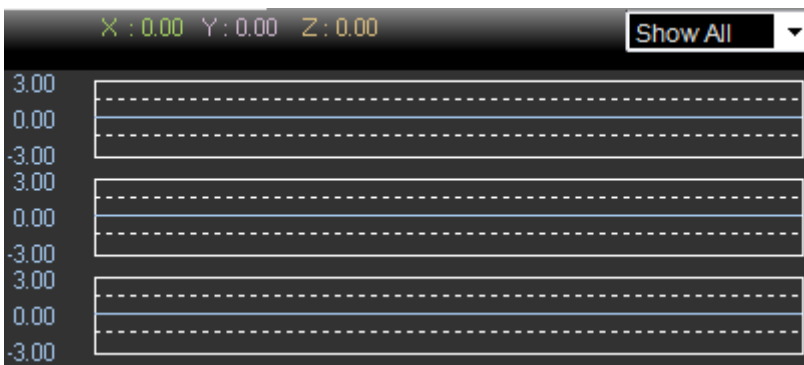


This figure show the g-sensor information



※ The GPS function is only for satellite positioning.

This figure shows the real time speed of the car



This section shows real time information such as event, vloss, relay out or motion detection


Log ID	Login ID	Type	Message	Date/Time
EL00000001	admin	Notice	CH5 Video Loss	2012/07/10 15:47:26

MR player application operation

Default id/password is admin/1111

At this stage you can select between English or Chinese interface


Login



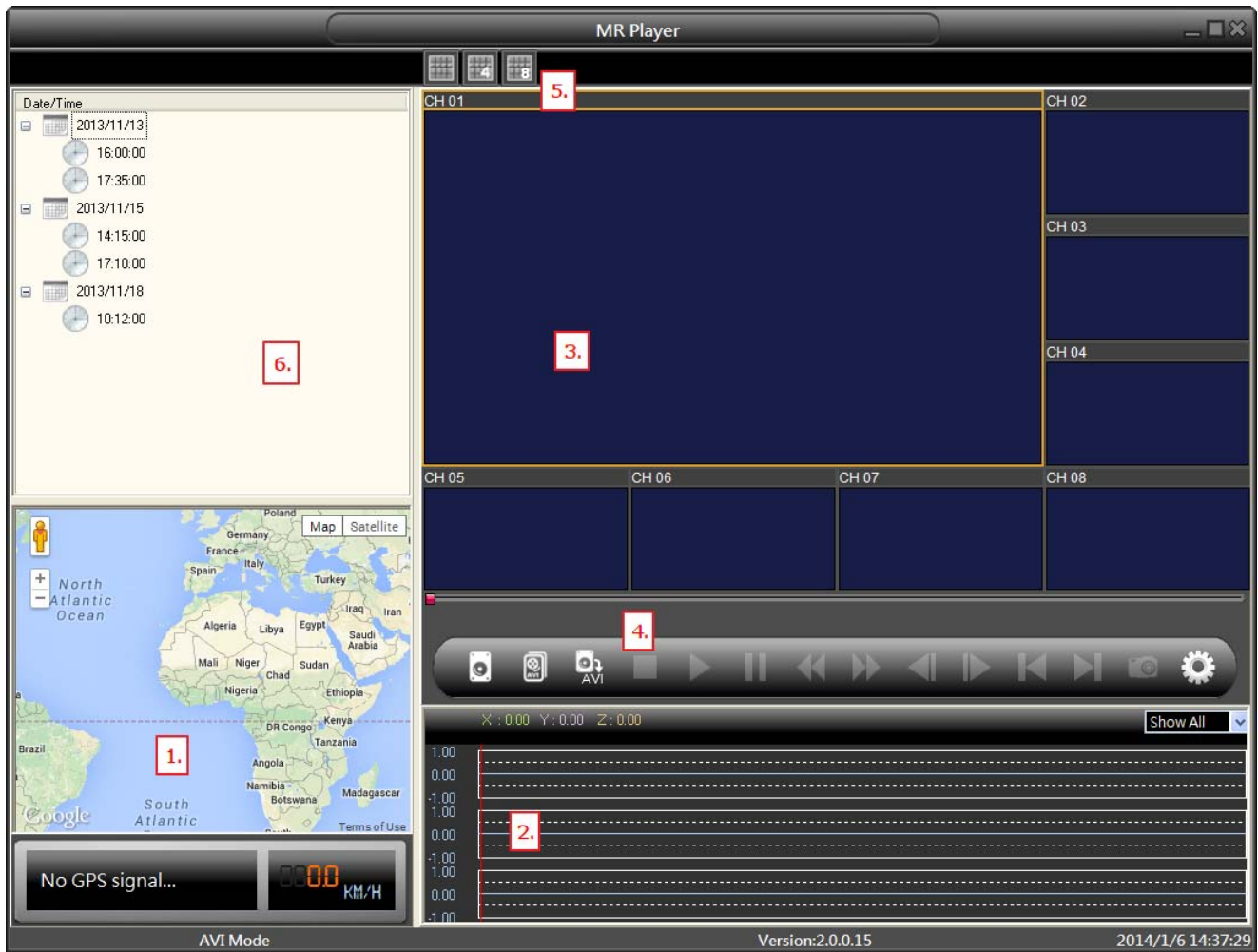
Login ID

Password

Language

 Login

## Program interface



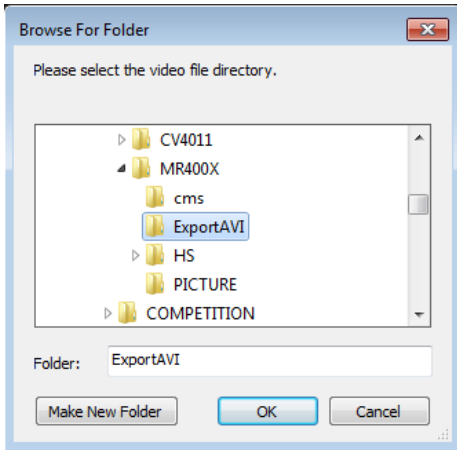
- 1 is showing the position of the car according to Google map database
- 2 is showing G-Sensor information and current speed
- 3 is displaying video
- 4 is the playback bar
- 5 is the video display mode
- 6 is displaying video by date

There are two ways to open a file:

### Open AVI

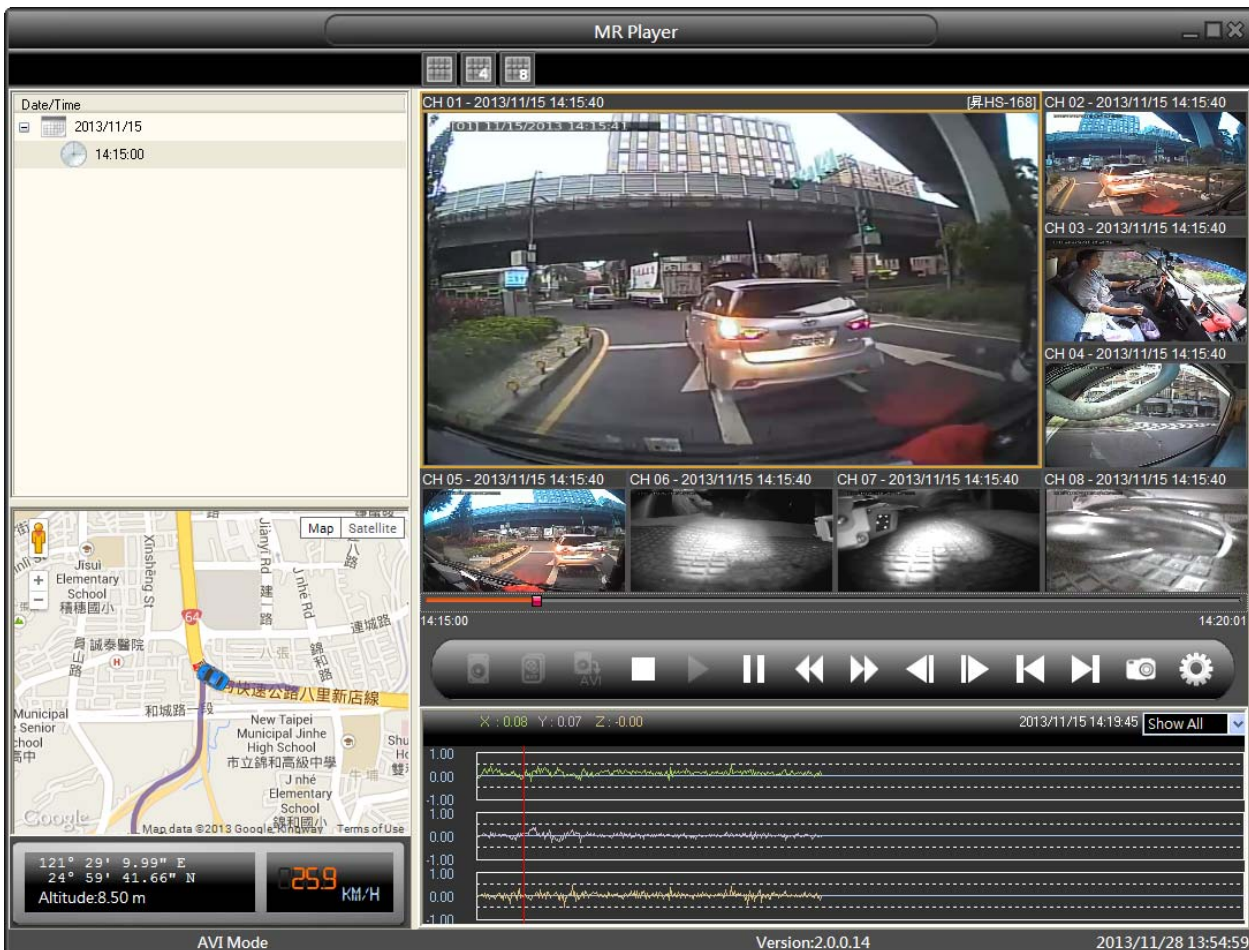


To open a file press the first icon and find the folder you store the avi file



You will be able see the recorded files displayed by date

To play a file just double click on the date then a specific time





## Open HDD



After you select the hard disk you will see this display















The screenshot displays the MR Player software interface. The main window is titled "MR Player" and features a multi-camera view of a car. The top row shows CH 01 (main view) and CH 02. The middle row shows CH 03, CH 04, CH 05, CH 06, CH 07, and CH 08. The left side includes a "Date/Time" panel for 2013/11/27 with a clock interface, and a map showing the location in Taipei City. The bottom left shows coordinates (121° 32' 26.80" E, 25° 0' 41.89" N) and altitude (34.20 m). The bottom right shows speed (39 KM/H). The interface also includes a playback control bar with a timeline from 0 to 60 minutes, a "Show All" button, and a "Show All" dropdown menu. The bottom status bar indicates "HDD Mode", "Version:2.0.0.14", and the date/time "2013/11/28 13:52:59".

you can export the video into avi file by pressing the third icon



## Control bar description



Icon	Description
	Open a avi file in a folder
	Open hard disk containing the video
	Convert a period from the hard disk into AVI format
	Stop the playback
	Playback
	Pause
	Fast Rewind
	Fast Forward
	Step Backward
	Step Forward
	Playback previous file
	Playback next file
	Take snapshot of current video
	System setting

## Snapshot

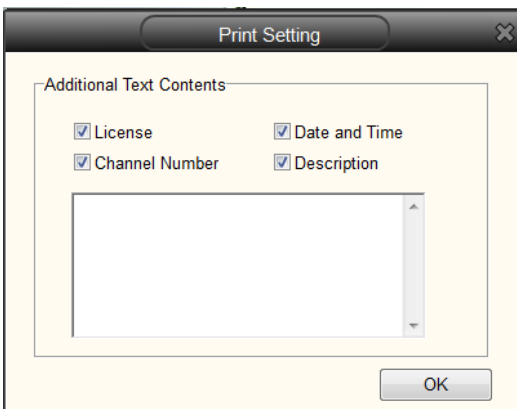


If you press the snapshot icon, a window will pop out



You can save manually or auto save the picture

You can adjust print setting by pressing SETUP button, another window will come out

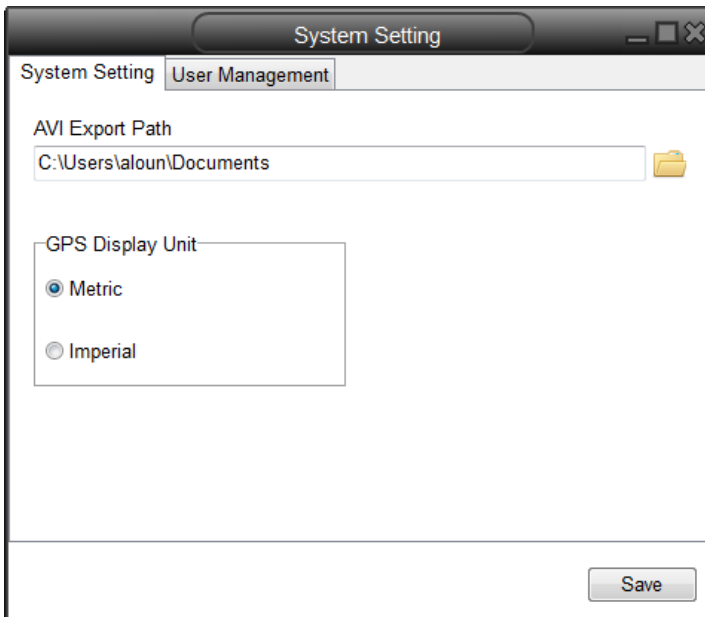


You can add in your picture print license number, plate number, date and time, and also description (by adding text)

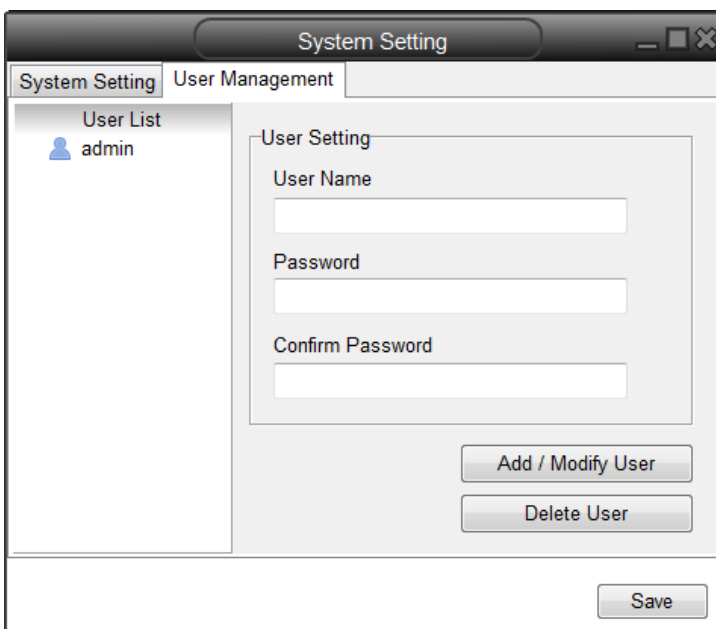
If you press PRINT button, the computer will send the picture to your connected printer.



## Setting



Here user can select GPS display unit and also which map use  
If you are in China, please select soso map



In this section you can manage your different account, by changing administrator password or add new account. There are no limits of number of account  
You can also delete user.