

**NIGHT OWL**



**COMPACT 4 CHANNEL H.264 VIDEOSURVEILLANCE KIT**

[www.NightOwlSP.com](http://www.NightOwlSP.com)

# **INSTRUCTION MANUAL**



***NONB-44500***



## TABLE OF CONTENTS

|   |    |
|---|----|
| FCC RADIATION NORM:.....  | 5  |
| PACKAGE CONTENTS:.....  | 6  |
| SYSTEM REQUIREMENTS:.....   | 6  |
| SAFETY INSTRUCTION:.....  | 7  |
| CHAPTER 1: DVR FEATURES.....  | 8  |
| CHAPTER 2: LAYOUT.....  | 9  |
| 2.1 FRONT PANEL (PLEASE REFER TO ACTUAL PRODUCT FOR DETAIL).....                  | 9  |
| 2.2 REAR PANEL (PLEASE SEE ACTUAL PRODUCT FOR DETAIL).....                        | 10 |
| 2.3 REMOTE CONTROL.....   | 11 |
| 2.4 MOUSE OPERATION.....  | 12 |
| CHAPTER 3: DVR/CAMERA INSTALLATION.....   | 13 |
| 3.1 CONNECTING THE DVR TO A TV OR MONITOR.....                                    | 13 |
| 3.2 CONNECTING THE POWER SUPPLY.....  | 13 |
| 3.3 CONNECTING THE CAMERAS.....   | 13 |
| CHAPTER 4: DVR START UP.....  | 14 |
| 4.1 SYSTEM INITIALIZATION.....  | 14 |
| 4.2 MAIN INTERFACE.....   | 14 |
| CHAPTER 5: DVR MENU AND OPTIONS.....  | 15 |
| 5.1 MAIN MENU PREVIEW.....  | 16 |
| 5.2 MAIN MENU.....  | 17 |
| 5.2.1 Camera setup.....   | 17 |
| 5.2.2 Record setup.....   | 18 |
| 5.2.3 Network Setup – Intranet (Internal Access).....                             | 19 |
| 5.2.4 Network Setup – Global Access (Connected Directly to Modem).....            | 20 |
| 5.2.5 Network Setup – Global Access (Connected through a Router or Firewall)..... | 21 |
| 5.2.6 Recording Search.....   | 26 |
| 5.2.7 Backup.....   | 27 |
| 5.2.8 Backup File Data.....   | 28 |
| 5.2.9 Converting Files to AVI:.....   | 28 |
| 5.2.10 Device Management.....   | 28 |
| 5.2.10.1 HDD Management.....  | 29 |
| 5.2.10.2 Alarm Setup.....   | 29 |
| 5.2.10.3 PTZ Setup.....   | 30 |
| 5.2.10.4 Mobile.....  | 30 |
| 5.2.11 Mobile Phone Access.....   | 30 |
| 5.2.12 Motion Detect.....   | 33 |

|  |    |
|--|----|
| 5.2.13 System Function .....           | 41 |
| 5.2.13.1 Time Set.....                 | 41 |
| 5.2.13.2 Password .....                | 42 |
| 5.2.13.3 Video Setup.....              | 42 |
| 5.2.13.4 Language .....                | 42 |
| 5.2.13.5 Info. ....                    | 42 |
| 5.2.13.6 System Maintenance.....       | 43 |
| 5.3 VIDEO SEARCH .....                 | 43 |
| 5.4 PTZ CONTROL .....                  | 43 |
| 5.4.1 Cruise Setup .....               | 43 |
| 5.5 START RECORD.....                  | 44 |
| 5.6 STOP RECORDING .....               | 44 |
| 5.7 START CRUISE .....                 | 44 |
| 5.8 START AUTOSEQ .....                | 44 |
| 5.9 PIP MODE .....                     | 44 |
| CHAPTER 6: NET-VIEWER PROGRAM .....    | 45 |
| 6.1 LOG-IN TO NET-VIEWER .....         | 45 |
| 6.2 MAIN INTERFACE OF NET-VIEWER ..... | 46 |
| 6.2.1 Menu column .....                | 46 |
| 6.2.1.1 Live.....                      | 46 |
| 6.2.1.2 Replay .....                   | 46 |
| 6.2.1.3. Setup.....                    | 47 |
| 6.2.1.4 Log out .....                  | 48 |
| 6.2.2 PTZ Control.....                 | 49 |
| 6.2.3 Live Play Control.....           | 49 |
| 6.2.4 Remote Backup .....              | 50 |
| CHAPTER 7: SPECIFICATION .....         | 51 |

## **FCC RADIATION NORM:**

### **FCC**

This equipment has been tested and found to comply with limits for Class B digital device pursuant to Part 15 of Federal Communications Commission (FCC) rules.

### **FCC Compliance Statement**

These limits are designed to provide reasonable protection against frequency interference in residential installation. This equipment generates, uses, and can radiate radio frequency energy, and if not installed or used in accordance with the instructions, may cause harmful interference to radio communication. However, there is no guarantee that interference will not occur in television reception, which can be determined by turning the equipment off and on. The user is encouraged to try and correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna
- Increase the separation between the equipment and the receiver
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected to.



### **CAUTION!**

The Federal Communications Commission warns the user that changes or modifications to the unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

**PACKAGE CONTENTS:**

Your new Security Camera and DVR Kit will ship with the following items.

**NONB-44500****SYSTEM REQUIREMENTS:**

Please be sure the computer that you install the included software with complies with the following specifications:

- IBM PCs or 100% Compatibles
- Windows<sup>®</sup> XP, Vista, 7
- Internet Explorer 7 or Newer Web Browser Software
- CD-ROM Drive (for software installation)

**SAFETY INSTRUCTION:****1. Use proper power source.**

Do not use this product with a power source that applies more than specified voltage (100-240V AC).

**2. Never insert any metal into the DVR or any openings.**

Putting metal into the DVR case can cause danger of electric shock.

**3. Do not operate in wet or dusty area.**

Avoid places like a damp basement or dusty hallway.

**4. Do not expose this product to rain or use near water.**

If this product accidentally gets wet, unplug it and contact technical support immediately.

**5. Keep product surfaces clean and dry.**

To clean the outside case of the DVR, use a lightly dampened cloth (no solvents). Do not use any cleaning solutions or cleaner.

**6. Provide proper ventilation.**

Use in well ventilated area to avoid overheating of the device.

**7. Do not attempt to remove the top cover.**

If any abnormal operation is observed, unplug it immediately and contact technical support.

**8. Do not attempt to remove the top cover.**

Warning: You may be subjected to severe electrical shock if you remove the cover of the DVR.

**9. Handle DVR box carefully.**

If you accidentally drop your DVR on any hard surface, it may cause a malfunction. If the DVR doesn't work properly due to physical damage, contact an authorized dealer for repair or exchange.

**10. Recommended to use with UPS (Uninterruptable Power Supply)**

Connecting your DVR and cameras to a UPS allows continue operation even during power outages. The duration of power out usage time depends on types of UPS used.

**11. Make sure there is good air circulation around the unit.**

This DVR system uses a hard drive for video storage, which generates heat during operation. Do not block air holes/vents (bottom, upper, sides and back) of the DVR that reduce the generated heat while the system is running. Install or place this product in a well ventilated area.

## CHAPTER 1: DVR FEATURES

### Other Features :

- H.264 compression
- Real time recording on 4 channels
- USB Backup to flash drive
- Triplex operation: view, record, playback simultaneously
- Security Certified Hard Drive pre-installed
- Easy control with USB mouse
- Instant viewing using Windows® Mobile™, Symbian® S60 Version 3 & 5 and iPhone®
- Internet Remote Functions\*: View, Search & Playback, Backup and Setup
- Email alerts with JPEG attachment



## CHAPTER 2: LAYOUT

### 2.1 Front Panel (Please refer to actual product for detail)



| Item | Buttons / Indicators | Marks        | Functions   |
|------|----------------------|--------------|---|
| 1    | HDD indicator        | <b>HDD</b>   | When the indicator flashes it means the hard drive is being used. |
| 2    | Power indicator      | <b>POWER</b> | If indicator is on, the system is properly powered                |
| 3    | USB Port             |              | Connect USB device (Flash Drive, Hard Drive)                      |

## 2.2 Rear Panel (Please see actual product for detail)



| Item | Physical ports | Connection method                           |
|------|----------------|---|
| 1    | Video inputs   | Connect CH1-4 ( BNC interface)              |
| 2    | Video outputs  | Connect monitor output ( BNC interface)     |
| 3    | USB Port       | Connect USB mouse                           |
| 4    | Ethernet Port  | Connect intranet, internet (RJ45 interface) |
| 5    | PTZ            | Pan Tilt Zoom Output to PTZ enabled camera  |
| 6    | Power Port     | Connect power supply - DC12V 3A             |

## 2.3 Remote Control

The remote control is the secondary input device for navigating the system's interface.

To use the remote control:



|         |                                       |
|---------|---------------------------------------|
| 1-4     | Channel Select 1-4                    |
| 5-9 & 0 | Digital Key 5-9, 0                    |
| ALL     | Display all Channels – Quad View      |
| Menu    | Enter / Exit Menu                     |
| ▲       | UP                                    |
| ▼       | Down                                  |
| SEL     | Select                                |
| ◀◀      | Rewind                                |
| ▶       | Play                                  |
| ▶▶      | Forward                               |
| ●       | Record                                |
|         | Pause / Playback                      |
| ■       | Stop                                  |
| Audio   | No function for this particular model |
| Mute    | No function for this particular model |

## 2.4 Mouse Operation

You can use a mouse instead of the front panel buttons or remote control to navigate the operation of your DVR

The mouse is the primary input device for navigating system menus.

To use a mouse with the system:

1. Connect a USB mouse to the **USB MOUSE port** on back panel of the system.

**NOTE:** Only the USB port on the front panel is designed for data backup to a USB flash drive. Do not connect a USB flash drive to the USB port on the rear panel.

2. Use the mouse buttons to perform the following:
  - a. **Left-Button:** Click to select a menu option; during live viewing in split-screen, double-click on a channel to view the selected channel in full-screen; double-click the channel again to return to split-screen view
  - b. **Right-Button:** Click to open the Sub-Menu
3. **Scroll-Wheel:** No function

## Chapter 3: DVR/Camera installation

### 3.1 Connecting the DVR to a TV or Monitor

Using the supplied BNC to RCA connector

1. Connect the BNC to RCA connector to the back of the DVR labeled Video Output (refer to Chapter 2.2, Rear Panel Picture)
2. Connect the other end of the cable to an open RCA VIDEO input on your TV or Monitor
3. Select the appropriate video input on your TV or Monitor to view the DVR

**NOTE:** Your DVR must be powered on so you can view on your TV or Monitor.

### 3.2 Connecting the Power Supply

1. Plug the provided power supply into the back of the DVR labeled "DC12V"
2. Plug the other end of the power Adapter into any 110V outlet within your home or business.

**NOTE:** Connecting your DVR and Cameras power source into a UPS or battery backup system will provide you recorded coverage after power failures. Time depends on type of UPS used.

**NOTE:** Ensure the cable is pushed all the way into the power supply. Otherwise the DVR will not power on!!

### 3.3 Connecting the Cameras

**NOTE:** Prior to mounting the cameras to their desired destination, please ensure all cameras are working. Perform these steps near the DVR. Once all cameras are up and running, then you can lay the cables and mount the cameras to their desired location.

1. Each camera comes with 60ft. of cable per camera. Using one cable per camera, plug each BNC connector of the camera into the 60ft cable.
2. Plug the other end of the cables into the back of the DVR labeled "CH1, CH2, CH3 or CH4.
3. Connect the provided power splitter to the DC jacks of the cameras, and plug the power splitter into the camera adapter, then plug the camera adapter to any 110V outlet or UPS.

## CHAPTER 4: DVR START UP

### 4.1 System Initialization

After connecting the power adapter and turning on the power, the system will boot-up and start initializing.

### 4.2 Main Interface



After initialization, the main interface will load. When there are video inputs, the interface will display live images from the cameras. In the main interface, if you use the mouse to double-click the live image of any channel, the image will be maximized to full screen, by double-clicking again, the display will return to quad mode displaying all cameras; clicking the right button of the mouse, will load the Pop-up Menu; by clicking the left button of the mouse to select options; when clicking any area outside the menu, you will close the Pop-up menu.

### USING THE ONSCREEN DISPLAY

Use the system's graphical onscreen display to navigate menus and configure options and settings.

1. **Date & Time:** Displays the date and time on the system; OW—Overwrite will also appear in this display if the function is enabled.
2. **Channel Title:** Displays the customizable name for the channel.
3. **Record Status:** Displays the current recording status of the system: R=recording, C=continuous (normal recording); M=motion recording; A=alarm recording; H= HDD problem  
**Channel number:** Displays channel number.

**NOTE:** By default, passwords are **disabled** on the system. You do not need to enter a password when accessing any system menus. However, for security purposes, it is highly recommended to enable passwords on the system using the Password Menu.

For details, see “Managing Passwords”

## CHAPTER 5: DVR MENU AND OPTIONS

### Mouse Only

When using the mouse, use the Sub-Menu to access several system options, including the Main Menu.

To open the Sub-Menu:

**Right-click anywhere onscreen** to open Sub-Menu.



Select one of the following options:

1. **MAIN MENU:** Opens the main system menu
2. **VIDEO SEARCH:** Open the Search Menu to view recorded video
3. **PTZ:** Opens the PTZ control menu
4. **START RECORD:** Start manual recording
5. **STOP RECORD:** Stop manual recording
6. **START CRUISE:** PTZ cruise settings
7. **START AUTOSEQ:** Start Auto sequential display of each channel.
8. **PIP MODE:** Choose between showing one or two small pictures within the main display picture.

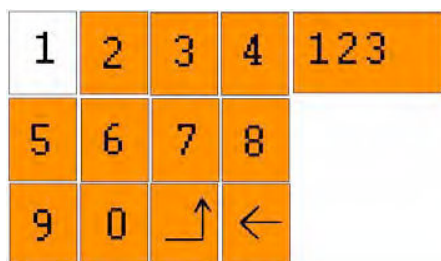
To close the Sub-Menu, click anywhere onscreen.

### Using the Virtual Keyboard – Mouse Only

When using the mouse, you can input certain values using the onscreen virtual keyboard.

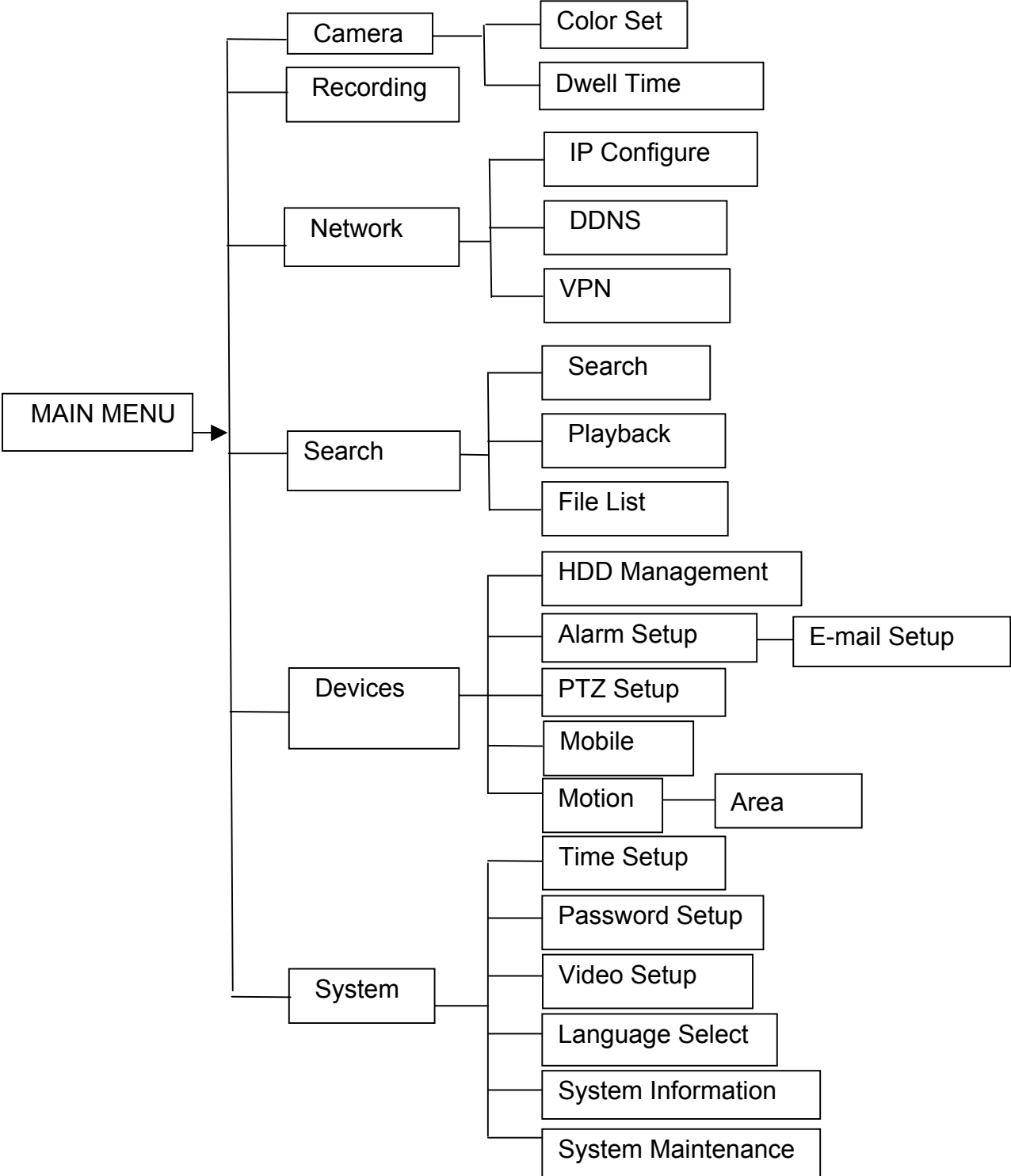
You will need to use the Virtual Keyboard when entering your User ID and Password.

To use the Virtual Keyboard:



1. Click on an option or field, such as the User ID and Password fields.
2. Click **0~9** to enter the desired digit.
3. Click **123** to switch between numerals, upper and lowercase letters, and other characters (only for certain options)
4. Click **<** to Backspace/Delete.  
**NOTE:** The buttons will turn from orange to white when you select the button with the mouse cursor.
5. Click **↵** to enter/confirm and close the Virtual Keyboard.

### 5.1 Main Menu Preview





## 5.2 Main Menu



Right-click the mouse, a pop-up menu will be displayed on the screen. Click “MAIN MENU” button on the pop-up menu to enter into Main Menu. In Main Menu, you can change settings such as Camera, Record, Network, Search.

Device settings such as Hard Disk Drive, Alarm, PTZ (Pan Tilt Zoom) Control, Mobile Phone & Motion Detection etc. You can also set system settings, such as Time setting, User password, Video, Language, and access System Information, System Maintenance etc.

### 5.2.1 Camera setup



**Select** Main Menu → Camera to open the DISPLAY SETUP menu. You can set up the name display and position display of each channel, You can also adjust image brightness, saturation, contrast and hue settings of each channel by entering the “COLOR” Menu and set up whether each channel can be previewed or not under Live display and/or Recording mode.

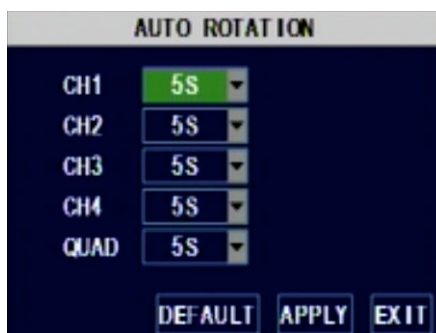
**Note:** that the name of each channel supports up to eight characters.



COLOR SETUP Menu allows you to adjust image brightness, saturation, contrast and hue of each channel. Click “APPLY” to and then click “OK” to save the adjusted settings. Click “EXIT” to cancel the modification, or click “DEFAULT” to restore all settings to the factory default settings.



In DISPLAY SETUP, click “PRIVACY ZONE” button to open the privacy zone menu. When privacy zone is set, the selected area will be masked on the display.

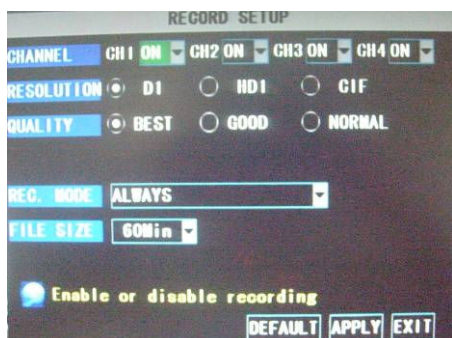


In DISPLAY SETUP, click “AUTOSEQ” button to open the AUTO ROTATION menu. When auto rotation function is set, system will automatically rotate the video images between CH1, CH2, CH3, CH4 and Quad in turn.

Default rotation time: 5 second

Settable time range: 0~10 second

## 5.2.2 Record setup



Select Main Menu → RECORD to open the RECORD SETUP menu. The adjustable options are as follow:

**CHANNEL:** Allows you to turn each channel ON/OFF.

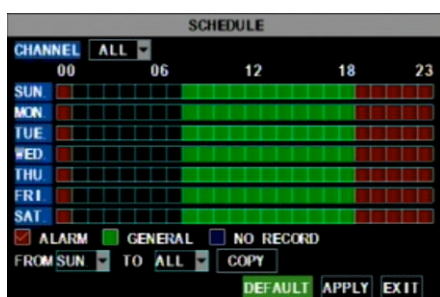
**RESOLUTION:** Choose between “D1” (Highest), “HD1” (Mid), and “CIF” (Low) resolutions.

**QUALITY:** Choose between “BEST”, “GOOD”, and “NORMAL” resolution.

**REC. MODE:** Choose between Time Schedule Record or Always. Time Schedule will allow you to set motion detection or record at a specific time of day/night.

**PACK TIME:** Select the recording time of each recording file.

**Note:** Select Time Schedule Record and the select Schedule to access the below menu.



SCHEDULE recording options include ALL, CH-1, CH-2, CH-3, CH-4 respectively. Please select the option you need to record according to the schedule, the channel you have set will be highlighted in “Blue” and channels you have not set will be “Grey”.

To setup weekly schedules, click on the box of the corresponding time. Choose between ALARM, GENERAL, or NO RECORD and then click on each box in the schedule time line that you want to apply the select record type to. You can also use the “From – To” pull-down menus and Copy button to copy settings from one day to another. After you have completed the schedule, click “APPLY” button to save the settings.

You can also click on the Default button to use the system defaults. The system default settings are:

Alarm all time on = Motion Detection = ON

**Note:** Under the RECORD SETUP menu and record search menu, original color stands for no recording, “Red” stands for alarm recording, “Green” stands for normal recording and “Blue” stands for the channel and date you have selected.

### 5.2.3 Network Setup – Intranet (Internal Access)

To access the NETWORK SETUP menu, select Main Menu → NETWORK to open the NETWORK SETUP menu.



If your DVR is connected to a router of your local network (intranet), then you can setup the NETWORK Setup section of the DVR to view the image your DVR is recording remotely using computers connected within your network.

**Important Note:** You will not be able to access your DVR if your DVR is connected behind two or more routers.

**Note:** Prior to changing the NETWORK Setup of your DVR, it is strongly recommended that you perform the following tasks:

1. Access the configuration page of your router.
2. Reserve an IP Address in your router that is not used by other computers or devices connected to your internal network.
3. Write down the assigned IP Address of your DVR, Subnet Mask, IP Address of your Router (Gateway) of your DVR for future reference when configuring the DVR.



1. Select STATIC as the network TYPE.
2. Setup PORT and WEB PORT (recommended to leave these at the default values).
3. Enter the IP Address that you have reserved at the beginning of this section into this field to be the unique address of your DVR in your local network.
4. NETMASK: It is recommended to leave the Subnet mask as the default 255.255.255.0.
5. Set the GATEWAY to the IP Address of your router.
6. Enter the DNS (Domain Name Server) Address, Set this to your router's IP address.
7. Click "APPLY" to save your change.

### 5.2.4 Network Setup – Global Access (Connected Directly to Modem)

To access the NETWORK SETUP menu, select Main Menu → NETWORK to open the NETWORK SETUP menu.

If you would like to access your DVR while you are outside of your home, please follow the instructions below to configure the NETWORK Setup page of your DVR

**Important Note:** If you are using a DSL modem, the modem must be set to “bridge mode”.

**Important Note:** We will not be able to help you set up the network configurations if you have a RADIUS Server or Network Magic installed.

**Note:** Prior to changing the NETWORK Setup of your DVR, it is strongly recommended that you perform the following tasks:

1. Find out from your Internet Service Provider (ISP) what kind of service you are using.  
**Note:** Your DVR supports these three common types of Internet Services: DHCP (Cable Modem), PPPoE (DSL Modem) and Static IP (Fiber Optics). Actual service type may vary, please ask your ISP for the exact service type.
2. Write down the: IP Address provided by your ISP (if your ISP is using Static IP), Subnet Mask, Gateway Address, DNS Address(es) provided by your ISP of your DVR for future reference when configuring the DVR.

The screenshot shows the NETWORK SETUP menu with the following fields and values:

|             |                 |
|-------------|-----------------|
| TYPE        | STATIC          |
| MEDIA PORT  | 09000           |
| WEB PORT    | 00080           |
| IP ADDRESS  | 010.128.128.213 |
| SUBNET MASK | 255.255.255.000 |
| GATEWAY     | 010.128.128.254 |
| DNS         | 202.096.128.068 |
| UPNP        | ON              |

Buttons at the bottom: DDNS SETUP, DEFAULT, APPLY, EXIT

The screenshot shows the DDNS SETUP menu with the following fields and values:

|           |      |
|-----------|------|
| DDNS      | ON   |
| SERVICE   | 3322 |
| HOST NAME |      |
| USERNAME  |      |
| PASSWORD  |      |

Buttons at the bottom: DEFAULT, APPLY, EXIT

#### DHCP

1. If your ISP uses DHCP networking, select DHCP network TYPE.
2. Leave PORT at 9000
3. Setup WEB PORT (leave at 80 but some ISPs block inbound traffic on port 80 to prevent web servers so if the DVR cannot be remotely accessed choose a different port number)
4. Click the “DDNS SETUP” Button.
5. You will need to apply for a Dynamic DNS account and register a Domain Name with one of the known DDNS provider. Enter your DDNS Provider’s HOST NAME, USERNAME, and PASSWORD in the DDNS SETUP page.

**NOTE:** If you would like a free DNS account please visit [www.nightowldvr.com](http://www.nightowldvr.com)



NETWORK SETUP

|             |                 |
|-------------|-----------------|
| TYPE        | STATIC          |
| MEDIA PORT  | 09000           |
| WEB PORT    | 00080           |
| IP ADDRESS  | 010.128.128.213 |
| SUBNET MASK | 255.255.255.000 |
| GATEWAY     | 010.128.128.254 |
| DNS         | 202.096.128.068 |
| UPNP        | ON              |

DDNS SETUP    DEFAULT    APPLY    EXIT

### STATIC IP

1. Select STATIC as the network TYPE.
2. Leave PORT at 9000
3. Setup WEB PORT (leave at 80 but some ISPs block inbound traffic on port 80 to prevent web servers so if the DVR cannot be remotely accessed choose a different port number)
4. Enter the IP Address that you have reserved at the beginning of this section into this field to be the unique address of your DVR in your local network.
5. NETMASK: It is recommended to leave the Subnet mask as the default 255.255.255.0.
6. Set the GATEWAY to the IP Address of your router.
7. Set the DNS (Domain Name Server) Address to the IP Address of your router
8. Click "APPLY" to save your changes.

NETWORK SETUP

|            |                 |
|------------|-----------------|
| TYPE       | PPPOE           |
| MEDIA PORT | 09000           |
| WEB PORT   | 00080           |
| PPPOE NAME |                 |
| PASSWORD   |                 |
| DNS        | 202.096.128.068 |
| UPNP       | ON              |

DDNS SETUP    DEFAULT    APPLY    EXIT

### PPPoE

1. If your ISP provides you a Static IP Address, select STATIC as the network TYPE.
2. Leave PORT at 9000
3. Setup WEB PORT (leave at 80 but some ISPs block inbound traffic on port 80 to prevent web servers so if the DVR cannot be remotely accessed choose a different port number)
4. Enter your PPPoE NAME and PASSWORD so your DVR will be able to obtain service from your ISP.
5. Enter the DNS (Domain Name Server) address.
6. You will need to apply for a Dynamic DNS account and register a Domain Name with one of the known DDNS provider. Enter your DDNS Provider's HOST NAME, USERNAME, and PASSWORD in the DDNS SETUP page.

DDNS SETUP

|           |      |
|-----------|------|
| DDNS      | ON   |
| SERVICE   | 3322 |
| HOST NAME |      |
| USERNAME  |      |
| PASSWORD  |      |

DEFAULT    APPLY    EXIT

### 5.2.5 Network Setup – Global Access (Connected through a Router or Firewall)

To access the NETWORK SETUP menu, select Main Menu → NETWORK to open the NETWORK SETUP menu.

If you would like to access your DVR while you are outside of your home or office network, please follow the instructions below to configure the NETWORK Setup of your DVR

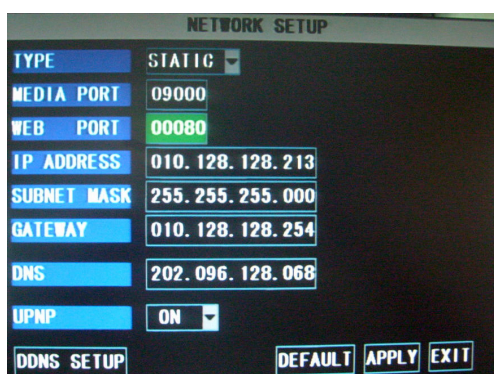
**Important Note:** You will not be able to access your DVR if your DVR is connected behind two or more routers.

**Important Note:** If you are using a DSL modem, the modem must be set to "bridge mode".

**Important Note:** We will not be able to help you set up the network configurations if you have a RADIUS Server or Network Magic installed.

**Note:** Prior to changing the NETWORK Setup of your DVR, it is strongly recommended that you perform the following tasks:

1. Access the configuration page of your router or Firewall.
2. Reserve an IP Address in your router or firewall that is not used by other computers or devices connected to your internal network.
3. Make sure your router is configured properly for computer or devices outside of your local network to access your DVR through your router. To do so, please use the following method(s): NAT (Network Address Translation), Port Forwarding, DMZ (De-Military Zone), DDNS (Dynamic DNS). Please refer to your router or firewall user's manual for reference. **Note:** Improper configuration on the router or firewall will prevent you from accessing your DVR from outside your network.
4. Write down the assigned IP Address of your DVR, Subnet Mask, IP Address of your Router (Gateway) of your DVR for future reference when configuring the DVR.

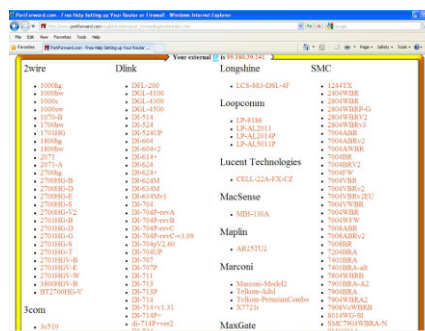
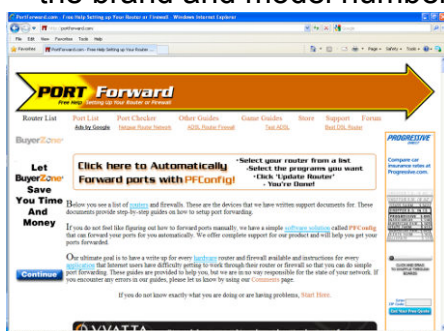


1. Select STATIC as the network TYPE.
2. Leave PORT at 9000
3. Setup WEB PORT (leave at 80 but some ISPs block inbound traffic on port 80 to prevent web servers so if the DVR cannot be remotely accessed choose a different port number)
4. Enter the IP Address that you have reserved at the beginning of this section into this field to be the unique address of your DVR in your local network.
5. NETMASK: It is recommended to leave the Subnet mask as the default 255.255.255.0.
6. Set the GATEWAY to the IP Address of your router.
7. Set the DNS (Domain Name Server) Address to the IP Address of your router
8. Click "APPLY" to save your changes.

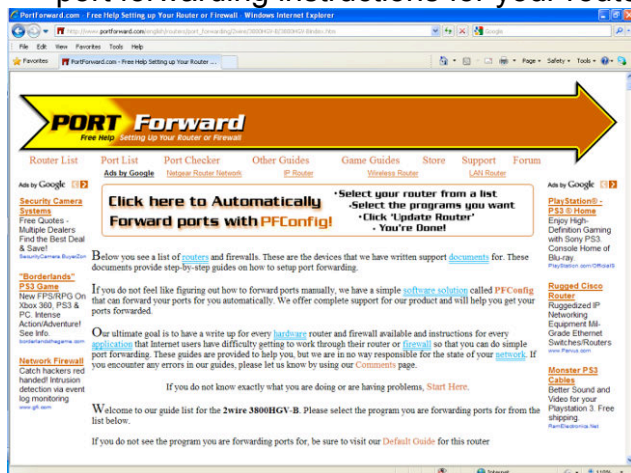
## Port Forwarding

To access the DVR from a remote computer over the internet via internet browser (Internet Explorer).

1. Forward Port 80 and Port 9000 in the router attached to the DVR, to the IP address of the DVR. \*If you can't use HTTP Port 80 due to use or your Internet Service Provider is blocking it, use a different port like 1024 as the WEB PORT. When selecting a different port, forward the new port to the IP address of the DVR and change the settings in the DVR Network settings. You will also need to add the new port to the end of the IP address in the browser window. For example, if you use port 1024, you add " :1024" to the end of the IP address.
2. For instructions on the most popular routers go to [www.portforward.com](http://www.portforward.com). Click on the "Routers List" and select your router from the list of router manufacturers by clicking on the brand and model number.



3. On the next page that opens, click on the "Default Guide" link. This will take you to the port forwarding instructions for your router.



4. When you access the DVR from a remote computer, you also need to use a different address in the Internet Explorer browser window. Instead of entering the IP address of the DVR, you need to enter the public IP address of the router that the DVR is attached to.

You can get this address by going to [www.myipaddress.com](http://www.myipaddress.com) from the computer that is attached to the same router as the DVR. This website will display the box in that shows the IP address you need to use.

### **Viewing your Night Owl DVR over the Internet (UPnP)**

Now that you have set up the DVR on your local network, you will want to access your camera from a remote location over the Internet. This DVR supports a technology called Universal Plug and Play (UPnP). With UPnP your DVR will automatically open the necessary ports in your router to allow remote access to your DVR. To make use of this feature your router will also need to support UPnP. Most modern routers support this; however, check your router manufacturer's website just to make sure.

- A.** Make sure that your DVR is plugged directly into your router with an Ethernet cord.
- B.** Log into your DVR's network setup: Main Menu → Network
- C.** Verify that the TCP/IP Type is set to DHCP.
- D.** Ensure UPnP is enabled and leave the default ports as:  
Media Port: 9000  
Web Port: 1024  
Server Port: 18000 (Located in the Mobile section)
- E.** Your router will usually have UPnP enabled by default, but just to make sure, log into your router to check it is (refer to manufacturer guidelines on how to do this)
- F.** Once both your DVR and router have UPnP enabled, you are now able to view your DVR from any computer with high speed Internet access. To do this you need to type your external IP address in the Internet Browser address bar followed by :1024

**Note:** There are 2 types of external IP addresses:

- 1.** Static – Your external IP address will never change, even if you turn your broadband modem off and on.
- 2.** Dynamic – Your external IP address may be likely to change several times a week.

If you want to access your camera from outside your network and have a Dynamic IP address, you will have to re-check your external IP address every time you connect to the internet. You can ask your ISP if they can provide you with a static IP address or you can eliminate the need to enter an IP address by using our DDNS server at [www.nightowldvr.com](http://www.nightowldvr.com). DDNS allows you to enter a normal style internet address into your browser and it will find your camera, even if you have a dynamic IP address. For

more information on how to set up DDNS, refer to the How to setup DDNS in the supplied user manual.

**Note:** If you are still confused call our technical support team at **1-866-390-1303** for assistance.

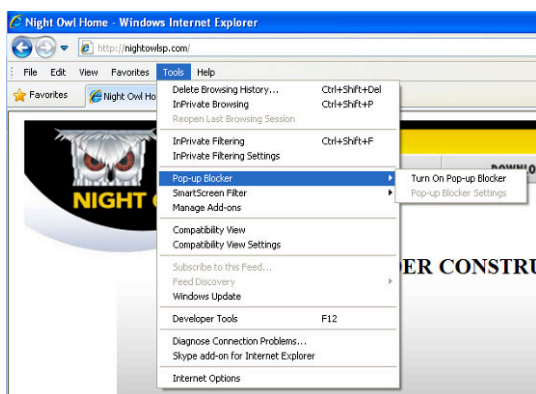
### **Accessing the DVR through Internet Explorer Browser (IE):**

Once the network settings on the DVR match the settings of your router, and you have forwarded the ports needed by the DVR (for remote access over the internet), you need to modify your browser controls.

**Note:** Ensure you are using Internet Explorer 7 or newer to use this feature (Open IE, Click Help, Select “About Internet Explorer”)

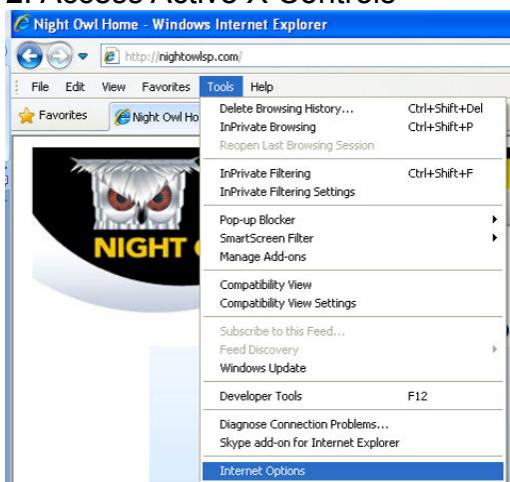
### **To Modify Internet Explorer controls**

#### **1. Turn OFF “Pop Up Blocker”**



Go to Tools,  
Select Pop-up Blocker,  
If On please select “Turn Off  
Pop-up Blocker”

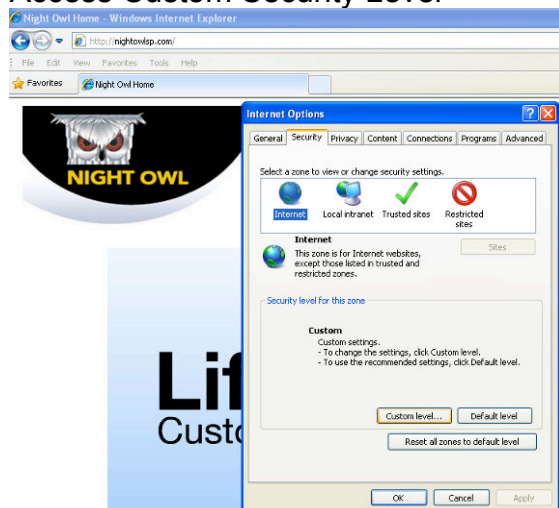
#### **2. Access Active X Controls**



Select Tools  
Select Internet Options

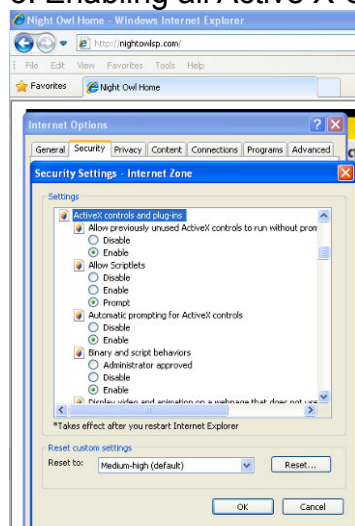


## Access Custom Security Level



Select the “Security” tab  
Select “Custom Level...”

## 3. Enabling all Active X Controls



On this page scroll down to the ActiveX Controls and Plug Ins, and set all to either **PROMPT** or **ENABLED**.

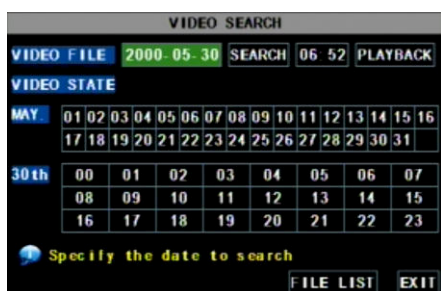
To connect to the DVR from a remote computer, you would then open an Internet Explorer browser window and enter the Internet IP of your router that you received by going to [www.myipaddress.com](http://www.myipaddress.com).

If you get an error message “Program cannot load because the Publisher is unknown” or the program is unsigned, then go to Internet Explorer > Tools > Internet Options, then click on the ADVANCED tab on the top right. This will open the window in, scroll down to “Security”, and select on the options to “Allow software to run or install even if the signature is invalid”, and “Allow Active Content to Run Files on My Computer”.

**Warning!** It is strongly recommended to return all Internet Explorer Security to its default settings after the Active X Control has been installed. Enabling all Active X controls put your computer at risk of being attacked by malware and spywares.

## 5.2.6 Recording Search

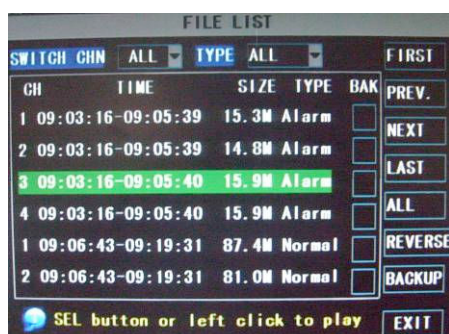
To access the VIDEO SEARCH menu, select Main Menu → SEARCH to open the VIDEO SEARCH menu.



To search for a file, enter specific date and click “SEARCH”, you will find all the recordings of that day. You can play video Forward at 2x, 4x, 8x and 16x speeds, Slow play at 1/2x, 1/4x, 1/8x, or normal play, pause and play frame by frame using the playback control bar, and adjust volume by clicking or sliding tune control bar. When playback is finished, system will return to previous menu.

To search by file, click the “FILE LIST” button. This option will allow you to view all of the available files by channel and type (all, normal, or alarm).

You can select a file and push the SEL button to playback the file, or use the FWD button and down button to select options or backup the recorded file you selected. You can also put a check mark in the box at the end of multiple files if you want to backup more than one file at a time.



**First** □ Indicates the first page of recording history you have searched. When you view other pages, clicking [First] button brings you back to Page one.

**PRE (Previous page):** When viewing event list, clicking “Previous page” button will take you back to page before the one you are currently viewing (except the first page).

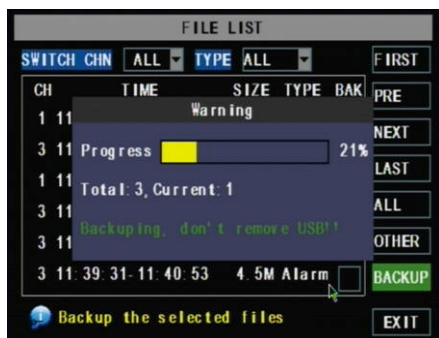
**NEXT (Next page):** When viewing event list, clicking “Next page” button will take you to the page after the one you are currently viewing (except the last page).

**LAST (Last page):** Indicates the last page of recording history you have searched. When you view other pages, clicking the “Last page” button will take you to the Last page of the searched files.

**ALL (Select All):** Allows you to select all of the events on the current page.

**Reverse (Select Invert):** Allows you to revert the selected and unselected events on the current page except those you have currently selected.

**BACKUP:** If you want to backup one recording from the file list, select the file and click "BACKUP". When the backup is complete, you will be notified. Please click "OK".



### 5.2.7 Backup

Use the File List sub-menu to find recorded video on your system and copy it to a USB flash drive (not included).

**NOTE:** The system is compatible with most major brands of USB flash drives, with capacities from 256 MB to 4 GB.

To backup recorded data:

1. Connect an empty USB flash drive to the bottom USB port on the front panel of the system.
2. Open the Search menu and search for recorded data on the system.
3. Click **FILE LIST**.
4. Select the files you want to backup and click the "BAK" box next to the file name, select multiple files if desired. Click **ALL** to select all files; click **REVERSE** to deselect all files.

**NOTE:** The size of each file is shown in the File List menu. Use this to help you find a USB flash drive large enough to hold all the files you wish to backup.

5. Click **BACKUP** from the side-panel to immediately begin copying the files to the USB flash drive.

**NOTE:** Backup progress appears in the status window. DO NOT remove the USB flash drive during backup.

6. If backup is successful, click **CLOSE** in the confirmation window and then remove the USB flash drive.

**NOTE:** If there is not enough space on the USB flash drive, the system will display the following: "Space is not enough."

## 5.2.8 Backup File Data

The system will create a folder on the USB flash drive named RecordFile. The files are saved as .264 files.

**Note:** Backup file will be in H.264 format, you can convert it to AVI format using the Multimedia Player program that comes with the DVR or through the net-viewer program, so you can use any player that supports AVI format.

## 5.2.9 Converting Files to AVI:

Use the built-in browser-based remote surveillance software to convert saved video files to AVI. The AVI format allows you to playback the video files in many multimedia players. AVI conversion involves two parts: selecting a file, then converting the file.

To select a file:

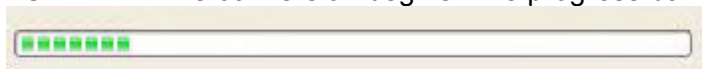
1. Open Internet Explorer. In the address bar, enter the IP address of your system.
2. Log in using your **ADMIN password**. If passwords are not enabled on your system, leave the password field **blank**.
3. Click **REPLAY** at the top of the main screen.
4. Use the calendar to select a date and click **REFRESH**.
5. Find a desired file from the File List and double-click to playback the file in the main screen.

To convert the file:

1. With a file selected and played back in the main screen, click **264 TO AVI**. The AVI Convert window will open.



2. Under SOURCE FILE, click to select the .264 file you wish to convert. By default, the file you have already viewed in playback should be selected.
3. Under DESTINATION FILE, click to select the save directory for the converted file. Enter a name for the file. By default, converted files are saved to C:\DVR\.
4. Click **CONVERT**. File conversion begins. The progress bar indicates the status of the conversion.



Click **OK** in the confirmation window.

**NOTE:** You can view the AVI file in media players such as VLC and DivX Player. The DivX, XviD, or FFDSHOW codec (not included) is required if viewing AVIs in Windows Media Player.

## 5.2.10 Device Management



To access the **DEVICE MANAGEMENT** menu, select Main Menu → DEVICES to open the **DEVICE MANAGEMENT** menu. The available options are: HDD, ALARM, PTZ (Pan Tilt Zoom), MOBILE, and MOTION.

## 5.2.10.1 HDD Management



To manage the installed Hard Disk, click “Main Menu” → “Device” → “HDD” to enter “HDD MANAGEMENT”. The HDD Management screen shows the capacity and available recording time of the installed hard drive and let you configure whether to overwrite old recordings or stop when HDD is full.

Select “HDD Format” to format the installed Hard Disk Drive and erase all recorded files.



Select “USB Format” to format the installed USB Drive by erasing all recorded files on the drive.

To enable your DVR to overwrite old recording files, choose “ENABLE” at the OVERWRITE field and then click Apply.

## 5.2.10.2 Alarm Setup



To configure the Alarm mode of each channel, click “Main Menu” → “Device” → “Alarm” to enter into “ALARM SETUP” menu.

**BUZZER:** Options are ON or OFF. Set this to OFF to disable the buzzer, or set this option to ON and then set the ALARM TIME option for how long the duration of the alarm will be. This option must be enabled if any of the alarm option below will be enabled.

**MD ALARM:** Check the box on the left to enable the buzzer to go off when motion is detected. Check the second box to the right labeled “EMAIL” if you would like your DVR to send an e-mail to an assigned e-mail account configured under “EMAIL SETUP”. Check the box labeled “FULL SCREEN” on the right if you would like the channel that has detected motion to automatically expand to full screen.

**HDD LOSS:** Check this box if you would like to trigger the alarm when HDD is operating irregularly.

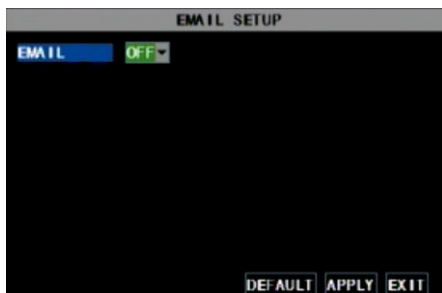
**HDD SPACE:** Check this box if you would like to trigger the alarm when the “HDD Overwrite” option is disabled and the HDD is full.

**VIDEO LOSS:** Check this box if you would like to trigger the alarm when any of the camera signal is distorted or loss.

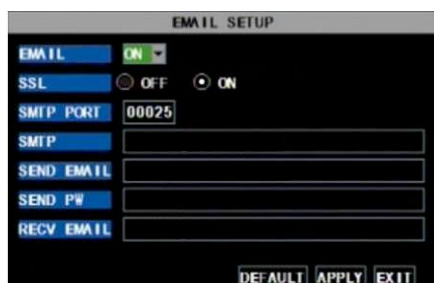
**ALARM TIME:** Option for the duration of alarm after an alarm is triggered. If “Motion Detect” recording is enabled, this option controls the duration of the recording time after the motion has stopped.



**EMAIL SETUP:** There is also an option for the DVR to send an e-mail to a specific mails box when the alarm is triggered. To enable this option, follow these steps:

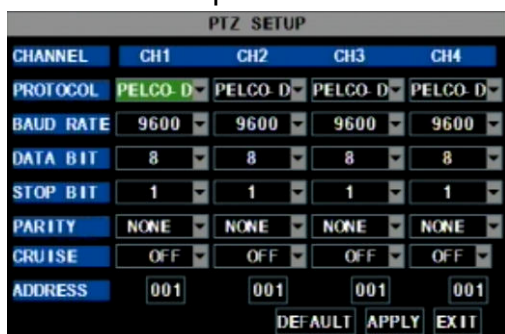


Click the “EMAIL SETUP” button under ALARM SETUP.



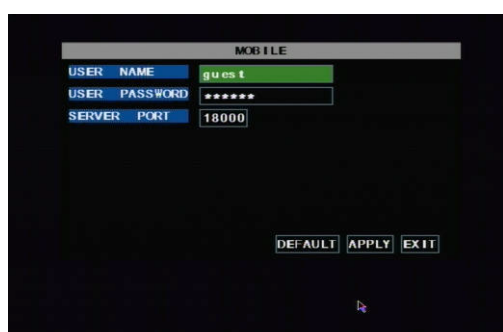
Set the e-mail account information of your mail server. Please contact your Network Administrator for details and configuration settings.

### 5.2.10.3 PTZ Setup



**To configure the PTZ (Pan Tilt Zoom) function, click “MAIN MENU” → “DEVICE” → “PTZ”.** The cameras that come with the kit do not support PTZ function, please refer to the user’s manual of your PTZ cameras for proper settings. Please note the above mentioned channel settings must match the settings of the PTZ camera.

### 5.2.10.4 Mobile



If you would like to allow your DVR to be accessible by a Mobile device, click “Main Click “MAIN MENU” → “DEVICE” → “MOBILE” to open the “MOBILE” menu.  
**USER NAME:** is the user name to enter when logging into the DVR.  
**USER PASSWORD:** is the password to enter when logging into the DVR.  
**Server port:** Mobile monitoring port. Setting range is between 1024 and 65535. Please note that the server port number must not equal to network menu’s “PORT” setting.

### 5.2.11 Mobile Phone Access

The DVR is currently compatible with mobile phones running Windows® Mobile, Symbian® S60 Version 3 or 5 operating systems and iPhones® on 3G networks.

Before you can access the DVR from a mobile phone, you need to setup the Network Configuration on the DVR. Go to section 5.2.4 or 5.2.5 for instructions. You will also need to set the configurations in section 5.2.10.4.

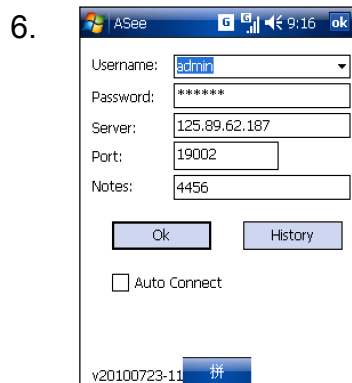
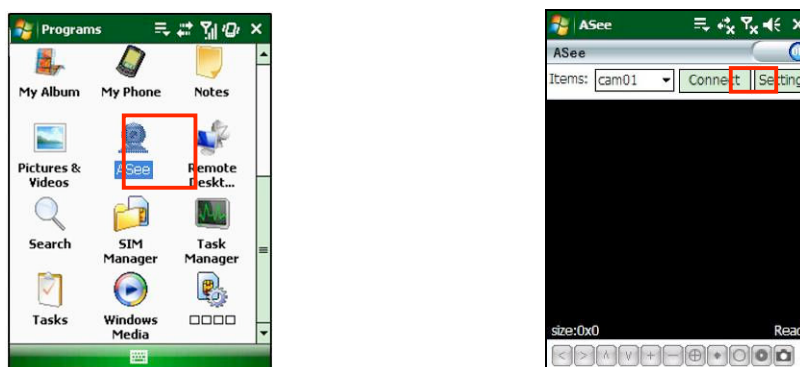
**NOTE:** The video speed depends on the speed of the internet connection.

**When accessing from a mobile phone with Windows Mobile operating system, follow these procedures:**

1. Install the webcam program that is included on the supplied CD by copying the “**Aseesetup.CAB**” file to the mobile phone. You can do this by attaching the mobile phone to a computer and copying the file from the CD to the phone.
2. Click the windows mobile folder and choose the file “**Aseesetup**”. Select the file which will open the window. The file is generally default to save to the Device’s built-in memory, but you can choose to save it to Storage Card.
3. Choose storage location and click “**Install**” to start the installation.



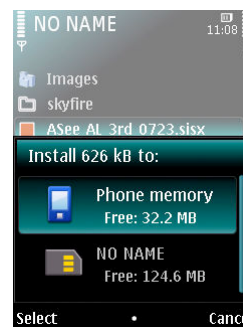
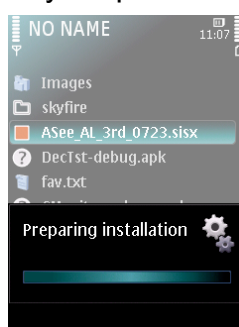
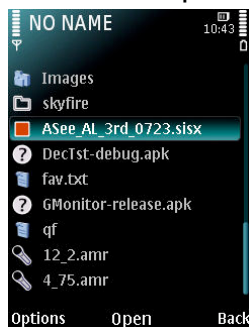
4. After installation finishes, click the icon named “Asee” to run the program. This will display the program screen.
5. Click the “Setting” button to enter the Setting menu.



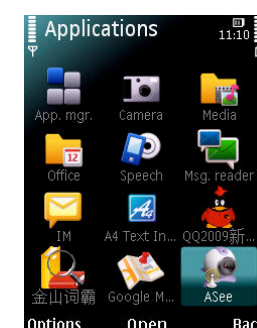
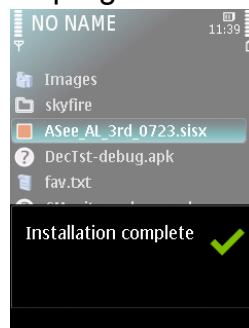
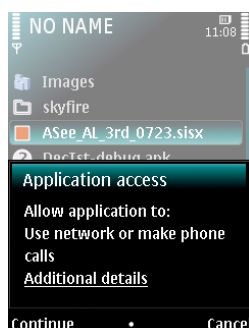
- User name:** same as the user name setup in DVR under section 5.2.10.4.  
**Password:** same as the password setup in DVR under section 5.2.10.4.  
**Server address:** Enter the Public IP or DDNS address of your DVR.  
**Port:** Same as the Server Port you set in the DVR under section 5.2.10.4.  
**Notes:** Enter the user defined DVR name (if configured).  
 Click “**OK**” to save the settings and to access your DVR remotely.

## When accessing from a mobile phone with Symbian® S60 Version 3 or 5 operating system, follow these procedures:

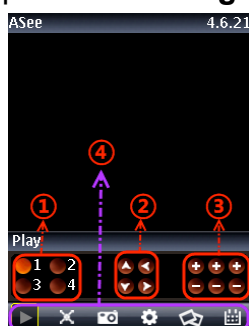
1. Install the webcam program that is included on the supplied CD by copying the “ASee\_AL\_3rd\_0901.sisx” file to the mobile phone if you are using Version 3. Copy the file “ASee\_AL\_5th\_0901.sisx” if you are using Version 5. You can do this by attaching the mobile phone to a computer and copying the file from the CD to the phone.
2. Select the copied “.sisx” file on your phone to install it.



3. After the phone finishes copying the file, it will ask for permission to install the program. Select “**Continue**” to start the installation.
4. Click the “**Continue**” button on the information box displaying the program and current version.
5. Select the location of where you want to install the program, to phone memory or to the memory card, and then click “**Select**”.
6. Click “**Continue**” and wait for the program to install.



7. Once the installation is complete, go to the Applications folder and select the “**Asee**” program, and click “**Open**” to display the software interface. Click the “**Setup**” button to open the “**Setting**” screen.



**IP** : Enter the Public IP or DDNS address of your DVR.

**Port** : Same as the Server Port you set in the DVR under section 5.2.10.4.

**User Name**: same as the user name setup in DVR under section 5.2.10.4.

**Password** : same as the password setup in DVR under section 5.2.10.4.


**Channel**: Select the channel you want to monitor and click “**DONE**” to display the screen to start viewing the live image.

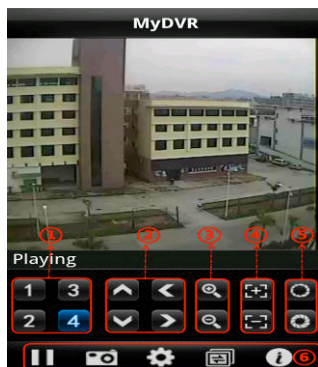
**Alias**: Enter the user defined DVR name (if configured)

**Option**: click to select whether history list should be included.



### When accessing with an iPhone® follow these procedures:

1. From your iPhone® Select “**App Store**” from your home screen.
2. Select the Search icon.
3. Type: “**Asee**” in the search field.
4. Download and install the “**Asee**” Application.
5. After the application is installed, click the Asee icon  to run the software.
6. Select the Settings icon at the bottom and input your Username, Server IP Address, Mobile Port number, Login ID and Password (See Section 5.2.10.4 Mobile)

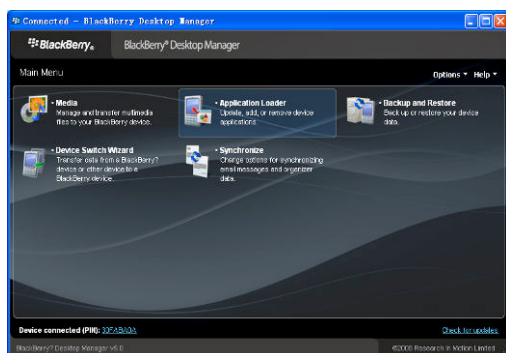


7. You will now be watching a live streaming video of your security camera on your iPhone®. Enjoy!

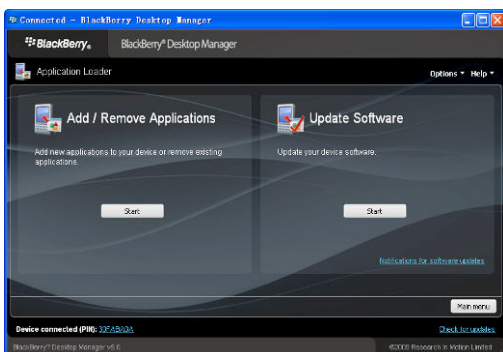
### When accessing from a mobile phone with Blackberry® phones, follow these procedures:

**Note:** To prevent flickering screen when connecting to your DVR, please make sure the firmware on your mobile phone is the latest version. Please visit your mobile phone manufacturer's website for further details.

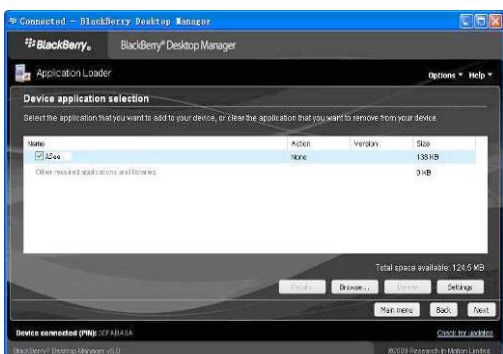
1. Download and install the “**Blackberry Desktop Manager**” on your PC.
2. Connect your phone to your PC via USB cable.
3. Open the Desktop Manager.
4. Choose “**Application Loader**” from the Main Menu.



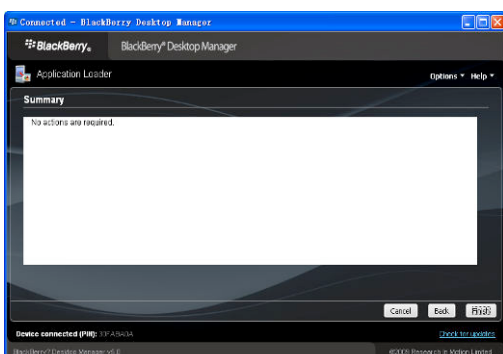
5. Under the “**Add/Remove Applications**” pane, click “**Start**” Button.



6. Click the “**Browse...**” button and locate the “**ASee.alx**” file on the included CD. Select the “**ASee**” file under “**Device application selection**” and click “**Next**”.

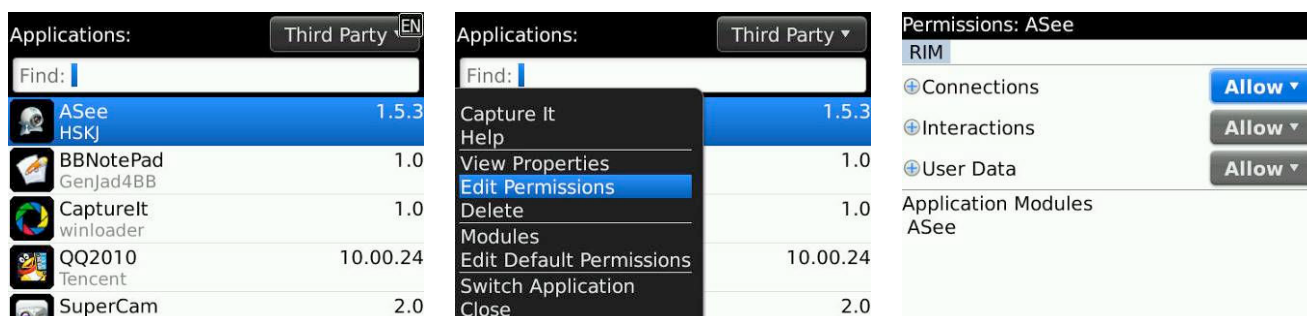


7. Follow the installation process and click “**Finish**” at the end to finish the installation.

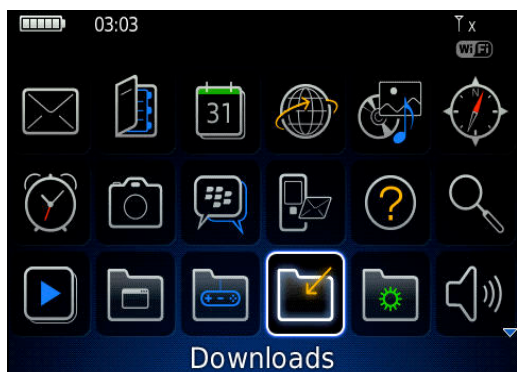


### Using the Software:

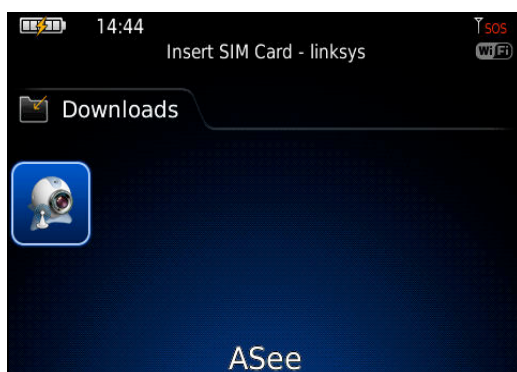
Prior to running the software, please make sure you have edited the Application permission of the “**ASee**” application by going to “**Settings**” -> “**Options**” -> “**Applications**”, then highlight the “**ASee**” application and select “**Edit Permissions**” in the drop down menu. Make sure Connections, Interactions, and User Data are set to “**Allow**”.



1. To run the application, the Blackberry viewer is installed in the “Downloads” directory.



2. Open the “Downloads” folder, and then click the “ASee” icon to open the viewing interface.



- 1 ---Connect/Disconnect
- 2 ---Full screen
- 3 ---Snapshot
- 4 ---Setup
- 5 ---Help
- 6 ---Next Channels/Group
- 7 ---Navigation Controls

3. Select the “Setup” options and enter the information of the DVR you want to connect in Settings



**Name:** Enter the Name of this group of settings.

**Address :** Enter the Public IP or DDNS address of your DVR.

**Port :** Same as the Server Port you set in the DVR under section 5.2.10.4.

**User ID:** same as the user name setup in DVR under section 5.2.10.4.

**Password :** same as the password setup in DVR under section 5.2.10.4.

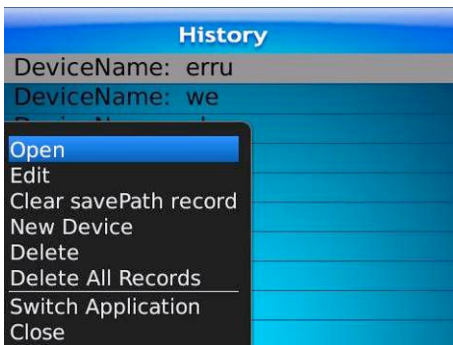
- Select the Network Type supported by your phone.



- Click the “**Save**” button to save the settings, and system will return to Live display.
- You can save the connection settings for different DVRs when you give the Settings different names under Settings and click save. To open the list of DVRs that you have connected to, click the “**History**” button to open the History List.



- Highlight one record and click the trackball/trackpad to open the History pop up menu. When “**Open**” is selected, system will directly be connected to the DVR.



- When selecting “**Edit**” option, system will allow you to edit the record.

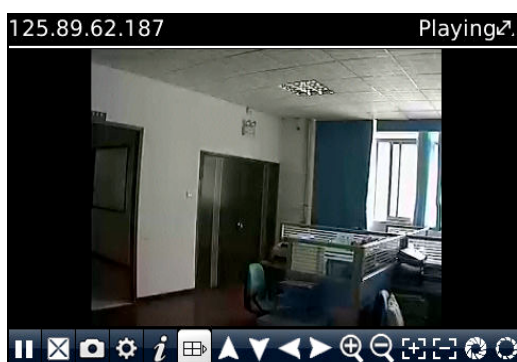


- When selecting “**Delete**” option, the history record will be deleted.

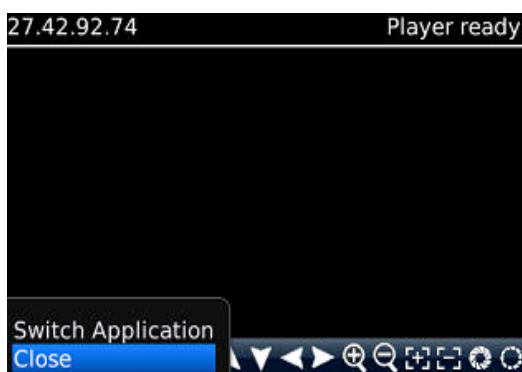
10. When viewing in live view mode, click “**Next Channels/Group**” icon to switch channels, and then choose the channel you want to display.



11. Click the “**Full screen**” icon to view in full screen display mode, click the “**Trackball**” on the mobile phone to quit full screen mode.
12. Click “**Next page**” again button to view the “**Navigation Controls**” if you have a PTZ Camera installed with your DVR.



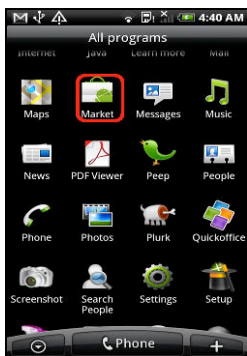
13. Click “**Help**” button to view the software’s Help instruction.
14. Click “**Close** button to exit the program.



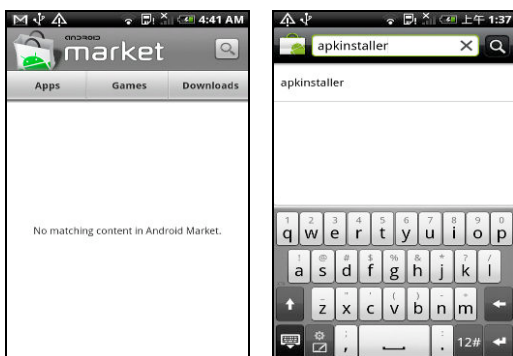
**When accessing from a mobile phone with Android® phones, follow these procedures:**

1. Download the Android software from our website ([www.nightowlsp.com/support.htm](http://www.nightowlsp.com/support.htm)), decompress and store the downloaded software in an easy to remember location.
2. Copy the downloaded “**Asee.pak**” to your phone.
3. Make sure your mobile is connected to a network and can download software/files.

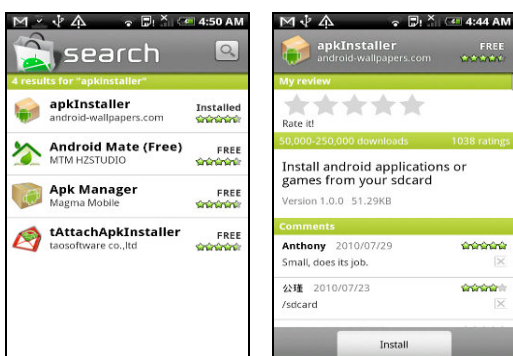
4. Goto **"All Program"** and select the **"Market"** icon.



5. In the **"Market"** interface, click **"Search"** on the upper right corner and enter **"apkinstaller"** to search for the **"Apkinstaller"** program.



6. Highlight and install the **"apkInstaller"** program searched.



7. Follow up the installation steps to install the software.

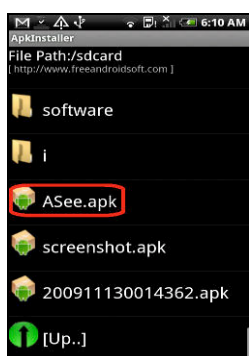




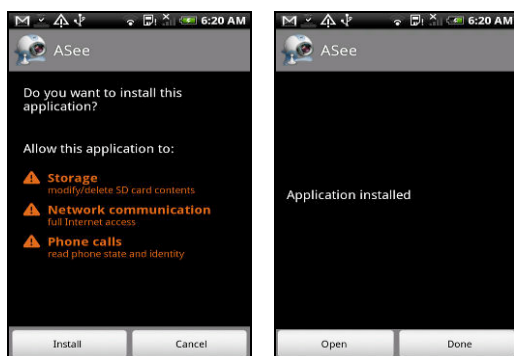
8. Goto “All Programs” and select “ApkInstaller”.



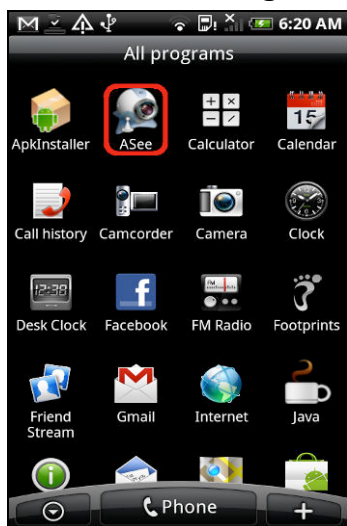
9. Locate the “ASee.apk” on the included CD and copy to your phone.



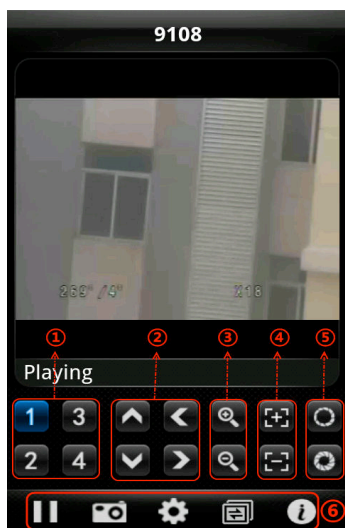
10. Select and install the software to your phone.



11. Goto “All Programs” and select the “ASee” icon.

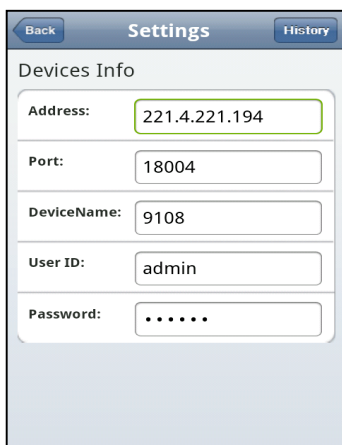


12. The “ASee” main interface will be displayed.



|   |  |   |                  |
|---|--|---|------------------|
| 1 | Channel Select   | 2 | Pan/Tilt Control |
| 3 | Zoom+/-  | 4 | Focus+ -         |
| 5 | Iris +/-   |   |                  |
| 6 | Play/Pause, Snapshot, Settings, Next Channel Group and help. |   |                  |

13. Click the Settings icon to open the “Settings” menu.



Enter the device information for the DVR that you would like to connect to:

**Address:** Enter the IP address of the DVR

**Port:** Enter the Mobile Port Number of the DVR under section 5.2.10.4

**Device Name:** Enter DVR name (User defined)

**User ID:** Enter the Login User Name for you DVR under section 5.2.10.4

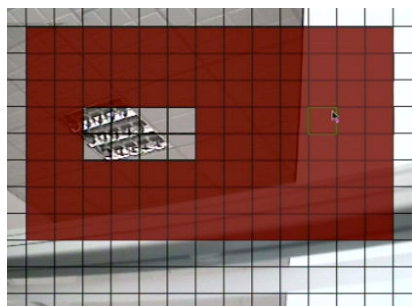
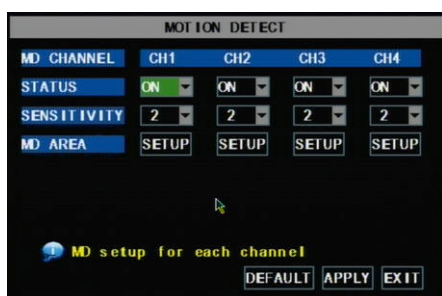
**Password:** Enter the Login User Password for your DVR under section 5.2.10.4

**History:** Click the “History” button at the upper right hand corner to view records of previously connected devices.

**NOTE:** If you are having trouble accessing your DVR from your cell phone please visit [www.NightOwlSP.com](http://www.NightOwlSP.com) to ensure you are using the most up to date software. If your phone is not compatible with the above list please check our website once again to see if your phone is listed.



## 5.2.12 Motion Detect



Red = Motion Detection Enabled

Clear = Motion Detection Disabled

**NOTE:** You can click and drag the mouse cursor when selecting/deselecting the motion area.

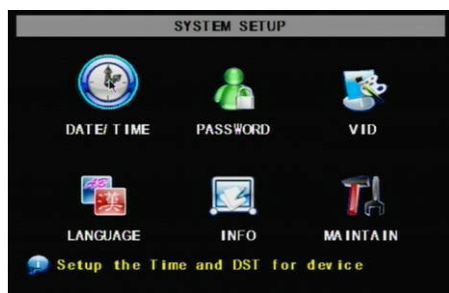
To configure the Motion Detection function of the DVR, click “MAIN” → “DEVICE” → “MOTION” to enter the MOTION DETECT window.

**STATUS:** This option allows you enable motion detection on the channels.

**SENSITIVITY:** This option allows you to set sensitivity level of motion detection from 1 to 4 with 4 being the most sensitive.

**MD AREA:** Click this button of the corresponding channel to select the area you want to have motion detection. The channel is separated into a 13\*10 area. When any movements in the selected area are detected, recording or alarm will be triggered. The semi-transparent area means no motion detection will be performed in those areas.

## 5.2.13 System Function



To access the **SYSTEM SETUP** menu, select Main Menu → SYSTEM to open the SYSTEM SETUP menu.

The SYSTEM SETUP Menu includes: DATE TIME, PASSWORD, VIO, LANGUAGE, INFO, and MAINTAIN.

### 5.2.13.1 Time Set

Click “MAIN” → “SYSTEM” → “DATE/TIME” to enter the TIME SETUP window to modify system date, time, date/time format and time zone, DST (day saving time).



- **DATE:** Enter the day, month, and year
- **DATE FORMAT:** Select **DD/MM/YYYY**, **MM/DD/YYYY**, or **YYYY/MM/DD**
- **TIME:** Enter the time
- **TIME FORMAT:** Use the drop-down menu and select **12HOURS** or **24HOURS**
- **DST:** Use the drop-down menu to select ON/OFF to enable/disable Daylight Savings Time.

## 5.2.13.2 Password



Click “MAIN” → “SYSTEM” → “PASSWORD”.

This option allows you set the device ID for the DVR and set the system password if you want to use one. Click “APPLY” to save the settings.



When you have enabled Password by setting the option to “ON”, you can setup a user password and administrator password respectively. The password supports up to 6 characters. Click “APPLY” to save the settings.

**NOTE:** Please write down your passwords and store in a safe location.

## 5.2.13.3 Video Setup



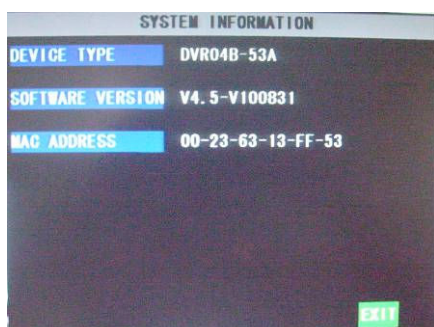
Click “MAIN” → “SYSTEM” → “VIDEO” to setup Video output options such as resolution and format.

## 5.2.13.4 Language



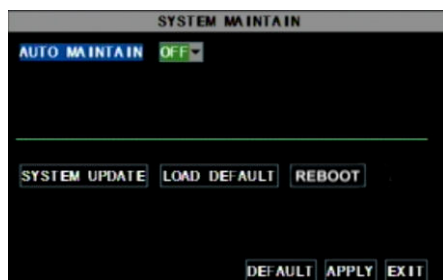
Click “MAIN” → “SYSTEM” → “LANGUAGE” to setup the default system language.

## 5.2.13.5 Info.



Click “MAIN” → “SYSTEM” → “INFO” to access the system information of your DVR.

### 5.2.13.6 System Maintenance

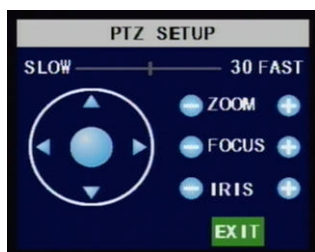


Click **“MAIN”** → **“SYSTEM”** → **“MAINTAIN”** to access the SYSTEM MAINTENANCE page of your DVR. This option allows you reset the DVR to factory default settings, update system software (firmware), and set system auto-maintenance. When enabling the auto-maintain function, you can setup system to restart regularly to clear up some temporary storage memory.

## 5.3 Video Search

Click pop-up menu video search to open the “Video Search” menu to search for files and playback recordings.

## 5.4 PTZ Control



Click pop-up menu to show the PTZ option and open the PTZ control interface. You can now click Z+ & Z- keys to zoom In or out, click F+ & F- keys to control camera focus and click I+ & I- to adjust the focus point.

### 5.4.1 Cruise Setup

Open auto cruise function on PTZ setting menu if you want to setup cruise function (system default: on), and set up cruise channel, cur point, total quantity and stop time etc.



**Channel select:** select the channel with the PTZ camera  
**TOTAL:** set up presetting bit (angle) quantity. Please refer to your camera's manual for detail  
**CUR POINT:** System has default starting (current) cruise point as 01. You can use this option to set additional cruise points.  
**STOP TIME:** sets the pause time at each cruise point.  
**GOTO :** select this option to go to specific preset points

**SET:** save the preset point. After setting channel and setting the position by adjusting PTZ direction key you click “SET” to setup the pre-set point. Please note you will need to click the “Save” button to finish the setting successfully. If you want to combine Zoom, Iris, Focus and direction keys into the pre-set setting, please return to previous menu to add additional settings, and then enter into Cruise Setup again and click “SET” and “SAVE” to make sure your setting is setup successfully.  
**CLEAN:** remove settings.

Note: this DVR model supports up to 100 pre-set points. But actual quantities may be restricted by the PTZ camera you are using.

## **5.5 Start Record**

When you want the system to start recording, click the "REC" button to start manual recording.

## **5.6 Stop recording**

If you want to stop manual recording, click "STOP" on the control menu or the "STOP" button.

## **5.7 Start Cruise**

If you have purchased a PTZ camera separate and would like to start the PTZ camera to start cruising, click "START Cruise" on the pop-up menu to start the function set in section 5.4.1

## **5.8 Start AUTOSEQ**

Click "START AUTOSEQ" of the pop-up menu to start displaying videos from each camera in sequence.

## **5.9 PIP MODE**

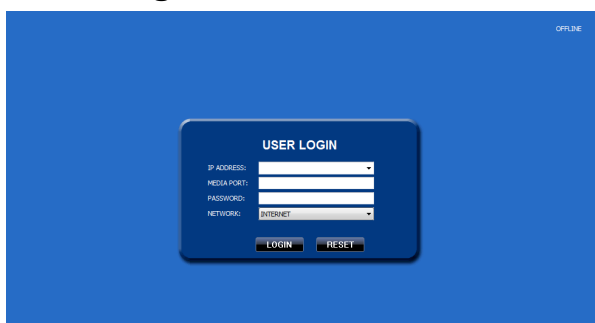
Click "PIP MODE" of the pop-up menu to select between one or two small pictures within the main display.

## CHAPTER 6: NET-VIEWER PROGRAM

Open Internet Explorer and enter the IP Address or DDNS address of your DVR. A pop-up will ask you to install an ActiveX (plug-in) to your computer. Please confirm the download and install the software.

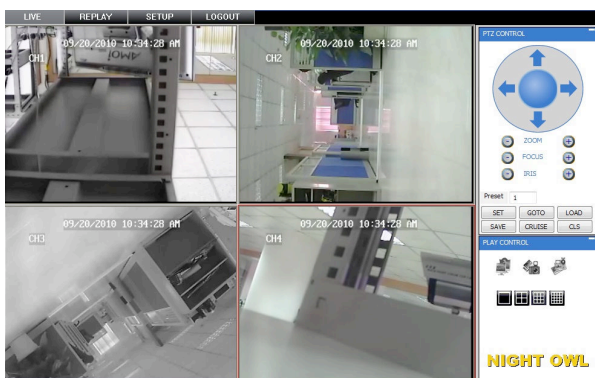
**Reminder:** If the ActiveX (plug-in) is not downloaded successfully, please check if your browser's safety level or firewall setting is set properly (as stated above). Please also make sure all of the setup of your modem or router is setup properly.

### 6.1 Log-in to Net-Viewer



After the ActiveX (plug-in) is installed, please select the log-in language (Chinese or English) and enter the login information. Click the "LOGIN" button to view remotely through NetViewer.

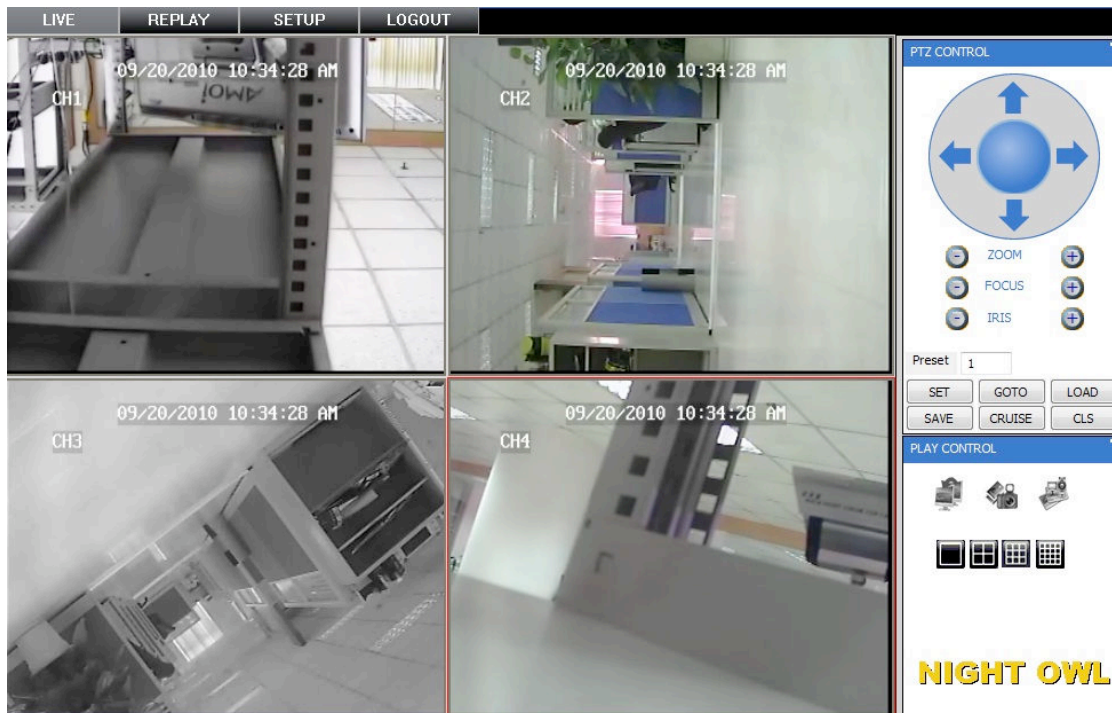
Please note default password is empty. System allows Administrator to set new password as per section 5.2.8.4.



After successfully Logged in to Net-Viewer, system will open the live display interface and connect to audio/video feed automatically.



## 6.2 Main Interface of Net-viewer



### 6.2.1 Menu column

Menu column includes “LIVE”, “REPLAY”, “SETUP” and “LOGOUT”.

#### 6.2.1.1 Live

After Logging-in to system, system will enter into Live display.

#### 6.2.1.2 Replay



This option allows you to playback recordings remotely.

1. Select the day, channel and type and proceed searching and refreshing.
2. Select any event from search result list to playback.

Below are some explanations of the buttons.

**Play:** [Play]/[Pause]

**Stop:** stop playing recording.

**F.F.:** fast forward playback recording

**Slow:** slow playback recording.

**Next Frame:** play frame by frame.

**264 TO AVI button:** convert file from H.264 format to AVI format



The native format of the backup files is H.264, you can convert H.264 format into AVI format by clicking the key of 264 to AVI.

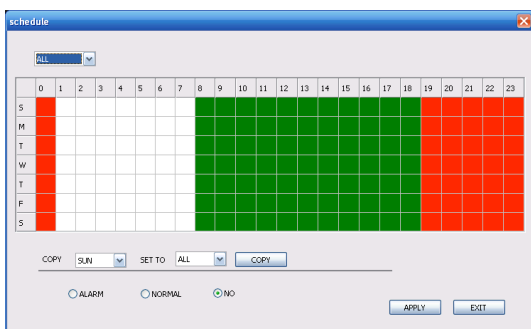
### 6.2.1.3. Setup

Click "SETUP" open this sub menu, option in this menu includes "Recording Mode", "Alarm Mode", "PTZ Control", "Network Setting", "System Setting" and "Host Info".

#### Record

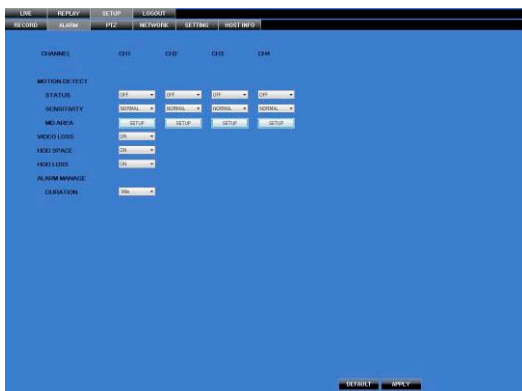


Open sub menu "Recording Mode", you can select on/off for every channel, and adjust recording parameters (resolution, quality, audio, REC mode and Schedule) remotely via Net-Viewer.

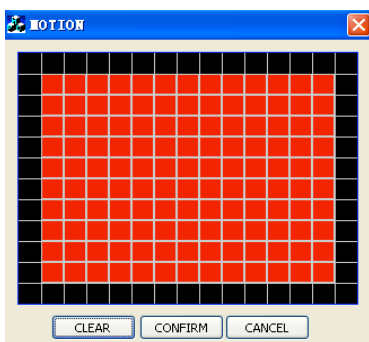


Open "Schedule" sub menu to. Set up the recording schedule using this option.

#### Alarm

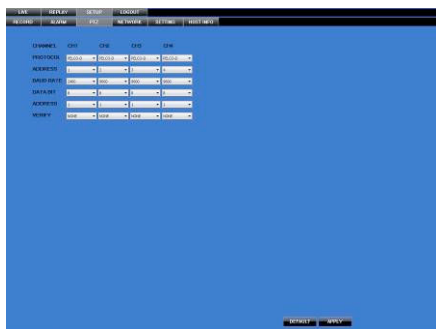


Open sub menu "Alarm". You can set I/O alarm for every channel, motion detection alarm, motion recording, motion trace, motion sensitivity, video loss alarm, HDD not enough space alarm, HDD not found alarm and alarm output time etc.



This option allows you set motion detection settings for each channel of the DVR remotely.

## PTZ Control



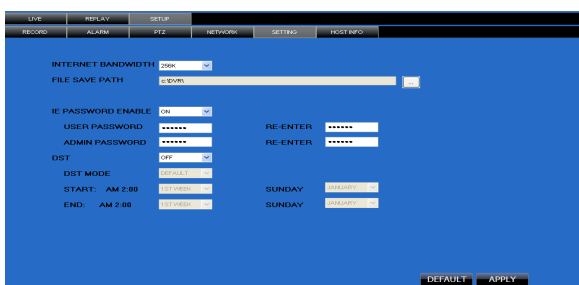
Open "PTZ Control" sub menu. Remotely setup methods are the same as configuring on the DVR.

## Network



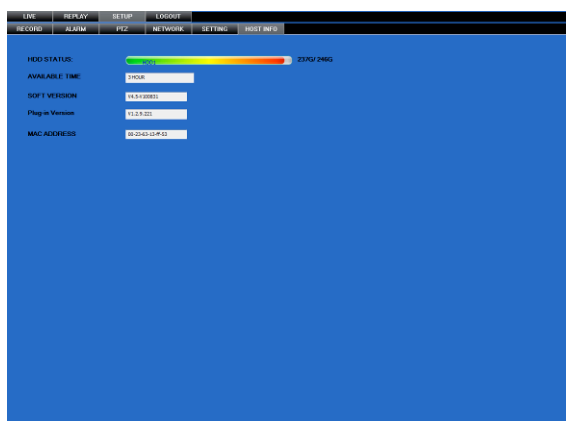
Open "Network" to enter the "Network" sub menu. Remote setup methods are the same as configuring on the DVR.

## Setting



Open "Setting" sub menu to open the menu. Click [...] button to preview Net-Viewer's recorded file saving path and screen capture saving path. The menu also allows you to set a lower bandwidth for Internet video transmission, set user password, turn daylight saving time on/off, etc.

## Host Info










Open "Host Info." to open the sub menu. You can check usage rate of HDD, available recording time, software version and MAC address.



### 6.2.2 PTZ Control

1. **PTZ direction control:** Control PTZ moving direction
2. **Zoom, Focus and Iris Control:** control direction, zoom, focus and iris of PTZ.
3. **Presetting bit Control -**  
**Preset :** display current presetting bit or input a presetting bit you would like to fix at according to the edit box ◦  
**Load :** Load one previous setting you have saved last time.  
**Save:** Save setting.  
**Set:** Set presetting bit parameter  
**GOTO:** on the preview mode, please input a setting for presetting bit no and click “GOTO” button to preview the setting.  
**Clean:** clear presetting bit setting  
**Cruise:** control cruise status (including on and off).

### 6.2.3 Live Play Control

1. On / Off Live display [  ]  When Live display status is “On”, Clicking the button closes Live display. When “Off” clicking the button opens the Live display.
2. Capture [  ]  Capture Screen image and save to PC as \*.bmp image.
3. Recording [  ]  Operate DVR recording remotely
4. Channel display [     ]  The icons stand for Single Channel display, Quad Channel display, 3x3 Channel display and 4x4 Channel display respectively.

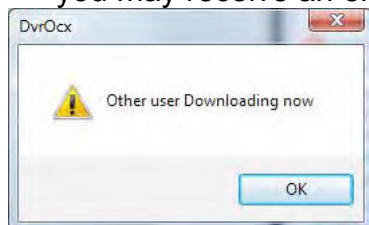
### 6.2.4 Remote Backup

You can backup recorded video files from your system to your PC using the Replay menu in the remote surveillance software.

To backup files remotely:

1. Click **REPLAY** at the top of the main screen.
2. Select a date(s) on the calendar and click **RELOAD**.
3. Double-click a file from the File List to begin playback.
4. Click **BACKUP**. Backup begins to C:/DVR/[ip\_address]/Backup

**NOTE:** If you playback a file, you must wait for the file to load before backing it up, otherwise you may receive an error message



5. When file backup is complete, click **OK** in the confirmation window. The confirmation window show the save path of the backup file.

**NOTE:** Backup files are saved as .264 files.

**NOTE:** Use the Player Software included on the software CD to playback backed up video.

## CHAPTER 7: SPECIFICATION

|                               |   |
|-------------------------------|---|
| Video System                  | NTSC  |
| Compression Format            | Video : H.264   |
| Video Output                  | 4-CH BNC Input/ 2-CH BNC Output   |
| Display Resolution            | D1 : 704×576(PAL) 704×480 (NTSC)  |
| Frame rate                    | Single CH PAL : 25 fps · NTSC : 30 fps  |
| Recording Resolution          | PAL: CIF(352*288), HD1(704*288) D1 (704*576 )<br>NTSC:CIF(352*240),HD1(704*240) D1 (704*480)  |
| Recording Frame Rate (shared) | PAL : 25 fps@D1, 50 fps@HD1, 100 fps@CIF<br>NTSC : 30 fps@D1, 60 fps@HD1,120 fps@CIF)   |
| HDD                           | 1 SATA HDD, up to 1024GB ; USB removable HDD  |
| Video Mode                    | Always / schedule / manual /motion detection  |
| Record Pack Time              | 15/30/45/60min  |
| Video backup                  | USB flash disk / removable USB HDD, Network backup to AVI File Format   |
| Playback Mode                 | PLAY /SLOW /FWD/Frame by Frame  |
| Alarm Type                    | Motion/Video Loss   |
| PTZ Control                   | Built-in RS-485 port, supports PELCO-P & PELCO-D  |
| USB 2.0 Port                  | Supports USB mouse · removable HDD · USB flash drive to backup to AVI file and upgrade system   |
| Ethernet                      | One RJ-45 10M/100M self-adaptable Ethernet interface  |
| Network Protocol              | Supports TCP/IP, DHCP, UDP, DDNS, PPPoE, UPNP network Protocol  |
| Network Function              | Support preview live display remotely via mobile phone and real time monitoring via IE-based browser and/or network, and support parameter setting of DVR remotely. |
| Power consumption             | 10~15W (exclude HDD)  |
| Power Adapter                 | DC 12V / 3A   |
| Working Temperature           | 50°F to 104°F (10°C to 40°C)  |
| Working humidity              | 10%~90%   |



## WARRANTY

NIGHT OWL, LLC (“Night Owl”) provides the following warranty to the original retail purchaser only (the “Purchaser”) with respect to this product (the “Product”):

For a period of one (1) year after the date of sale, the Product shall be free from manufacturing defects in material and workmanship. In the event that the Product is defective, the Purchaser must return the Product at Purchaser’s cost (no CODs) to the address below, with the original proof of purchase receipt. In its sole discretion, Night Owl will either repair or replace the Product at no additional cost to the Purchaser. Any replacement Product (or parts) will be covered by the same warranty as the original Product through the expiration date of the original warranty period.

### **Exclusions:**

This warranty does not apply to the following parts or upon the following events:

- Bulbs, LEDs and batteries;
- The Product was not used or installed in the manner described in the installation instructions;
- Negligent use of the Product, or misuse or abuse of the Product;
- Electrical short circuits or power surges;
- Use of replacement parts not supplied by Night Owl;
- Product is either tampered with, modified, or repaired by another service provider;
- Product has not been maintained in accordance with the instructions;
- Accident, fire, flood or other acts of God;
- Failure to use Night Owl approved accessories;
- Defects or damages arising by use of the Product in other than normal conditions (including normal atmospheric, moisture and humidity conditions).

EXCEPT AS OTHERWISE PROHIBITED BY LAW, THIS WARRANTY IS IN LIEU OF OTHER WARRANTIES, EXPRESS OR IMPLIED, AND NIGHT OWL NEITHER ASSUMES NOR AUTHORIZES ANY PERSON TO ASSUME FOR IT ANY OTHER OBLIGATION OR LIABILITY IN CONNECTION WITH THE SALE OR SERVICE OF THE PRODUCT.

IN NO EVENT SHALL NIGHT OWL BE LIABLE FOR ANY SPECIAL OR CONSEQUENTIAL DAMAGES ARISING FROM THE USE OF THE PRODUCT OR ARISING FROM THE MALFUNCTIONING OR NON-FUNCTIONING OF THE PRODUCT, OR FOR ANY DELAY IN THE PERFORMANCE OF THIS WARRANTY DUE TO ANY CAUSE BEYOND ITS CONTROL. THIS WARRANTY SHALL NOT APPLY TO INSTALLATION OR THE REMOVAL AND REINSTALLATION OF PRODUCTS AFTER REPAIR.

Night Owl does not make any claims or warranties of any kind whatsoever regarding the Product’s potential, ability or effectiveness to prevent, minimize, or in any way affect personal or property damage or injury. Night Owl is not responsible for any personal damage, loss or theft related to the Product or to its use for any harm, whether physical or mental related thereto. Any and all claims or statements, whether written or

verbal, by salespeople, retailers, dealers or distributors to the contrary are not authorized by Night Owl, and do not affect this provision of this warranty.

**Returns under this Warranty**

In order to obtain service, please make sure that you have registered your product on-line no later than thirty (30) days after purchase at [www.NightOwlSP.com](http://www.NightOwlSP.com) in the warranty registration section or in any other matter described in the instructions.

**TOLL FREE CUSTOMER SERVICE**

**North America: 1-866-390-1303**

**1-774-256-7250**

**Email: [Support@NightOwlSP.com](mailto:Support@NightOwlSP.com)**

**Website: [www.NightOwlSP.com](http://www.NightOwlSP.com)**

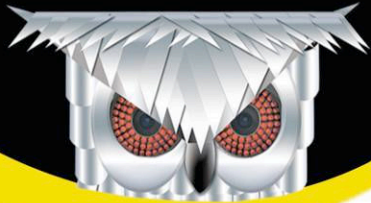
**Email: [Support@NightOwlSP.com](mailto:Support@NightOwlSP.com)**

**TOLL FREE: 1-866-390-1303**

Rev 04-2010



# NIGHT OWL



# CUSTOMER SUPPORT



**BEFORE YOU RETURN TO THE STORE,  
WE MIGHT BE ABLE TO SAVE YOU A TRIP**

## ONLINE

**24/7 PRODUCT SUPPORT INCLUDING:**

- USER MANUALS
- SOFTWARE UPDATES
- QUICK START UP GUIDES
- FREQUENTLY ASKED QUESTIONS

**VISIT US AT: [www.NightOwlSP.com/Support](http://www.NightOwlSP.com/Support)**

*PLEASE REGISTER YOUR PRODUCT ON OUR WEBSITE TO RECEIVE UPDATES AND INFORMATION REGARDING YOUR NIGHT OWL SECURITY SYSTEM.*



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- INSTALLATION ISSUES
- WARRANTY
- REPLACEMENT PARTS
- ACCESSORY SALES

**CONTACT US AT: [Support@NightOwlSP.com](mailto:Support@NightOwlSP.com)**



## PHONE

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**FOR ALL OTHER ISSUES**

**CONTACT US AT: 1-866-390-1303 or 1-774-256-7250**



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**Let InstallerNet do the work for you.**

- **INSTALL CARD INSIDE EVERY NIGHT OWL SECURITY KIT BOX.**

**CONTACT US AT: 1-800-806-5513**

**VISIT US AT: [www.NightOwlSP.com/Installation](http://www.NightOwlSP.com/Installation)**



**[www.NightOwlSP.com](http://www.NightOwlSP.com)**