

CCTV Security Kit

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



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

WARNING:

TO PREVENT FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS UNIT TO RAIN OR MOISTURE

CAUTION:

TO PREVENT ELECTRIC SHOCK, ENSURE THE PLUG IS FULLY INSERTED INTO A MAINS SOCKET



IMPORTANT SAFEGUARD



All lead-free products offered by the company comply with the requirements of the European law of the Restriction of Hazardous Substances (RoHS) directive, which means our manufacturing 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's 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.

DISCLAIMER

We reserve the right to revise or remove any content in this manual at any time. We do not warrant or assume any legal liability or responsibility for the accuracy, completeness, or usefulness of this manual. The content of this manual is subject to change without notice.

RECOMMENDATIONS

- AVOID DUSTY LOCATIONS: Excessive build-up of dust may cause the unit to fail.
 - **INSTALL IN VENTILATED SPACE:** Ensure adequate airflow around the DVR to prevent
 - overheating.
- **DO NOT EXPOSE TO MOISTURE:** Exposing the unit to water poses high risk of electric shock.
 - **DO NOT DROP:** Doing so could damage internal components.
- DO NOT OPEN CHASSIS: No user-serviceable parts inside.

DEFAULT PASS CODE INFORMATION

Username: admin Password :

No password is set on the "admin" account by default, do not enter a password.

WARRANTY AND TECHNICAL SUPPORT

To help you make the most of this product you'll find a host of information including full product manuals, FAQ, troubleshooting guides and a support service if you have specific questions, available at our support website: *storageoptions.com/support.*

This product is also backed by a 12 month warranty in the unlikely event of something going wrong. More information and warranty registration is available at *storageoptions.com/warranty*.

Support: storageoptions.com/support/ Warranty: storageoptions.com/warranty/

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NOTE

To quickly access your DVR from your mobile, please refer to the guide inside the back cover.

1 Introduction

Congratulations on your purchase of this Homeguard DVR. Homeguard by Storage Options offers a complete CCTV solution for home or office security, featuring high quality cameras, internal HDD, easy setup and configuration, alarm triggers, and network connectivity.

With this DVR, you can easily record up to 8 video and 4 audio* channels for up to 400 days**. It could not be simpler to keep a watchful eye on your home or office.

This system features:

- H.264 video compression (most efficient system to date, helps keep recorded files smaller and of higher quality)
- 3 USB ports (Mouse and Backup ports at the rear of the unit, 1 extra Backup port on the front)
- 3.5" SATA HDD (up to 2TB compatible)
- Colour Graphic User Interface, user friendly menus
- Live viewing from anywhere on PC or smartphone.

*Requires audio capable cameras or self-powered microphone, not supplied **Dependent on model, recording settings and hard drive capacity

Throughout this manual, you will see highlighted text:

NOTE	Important notes are highlighted in blue.			
TIP	Tips on best practice are highlighted in green.			
CAUTION	Important cautions are highlighted in red.			

Package Contents

Check the contents of your DVR package against this checklist. If anything is missing or damaged, please do not use the system, and inform your supplier as soon as possible.

DVR Box:	Camera Box (if supplied):
DVR	Cameras
Power adaptor	CCTV Cables
Mouse	Power adaptor
Remote Control	Splitter Cable
Instructions manual	
BNC to RCA TV Cable	

This manual covers both 4 channel and 8 channel versions of the Homeguard DVR, and also applies to Homeguard CCTV kits, except Homeguard DIY kits.

NOTE



1.1 DVR Layout

Front Panel

HOME GUARD	
1	2 3 4 5 6 7 8 9

- 1. USB 2.0 Slot: For connecting external storage and upgrading the firmware
- 2. IR Receiver: Receives the signal from the remote control
- 3. Play/Pause: Opens the Search/Playback menu
- 4. MULT: Alternates the display between 1 and 4 cameras
- 5. MENU: Opens the DVR's main menu
- 6. ESC: Returns back one menu page
- 7. Power LED: Indicates the DVR is turned ON when lit
- 8. HDD LED: Flashes when the HDD is in use
- 9. D-Pad: For navigating through the menus and switching between the displayed channels

Rear Panel



- 1. 4x/8x BNC Video Connectors: For each camera input
- 2. 4x RCA Audio Connectors: For each audio input*
- 3. RCA Audio Output: For speakers
- 4. **BNC Video Output:** For older TV sets (the cable supplied must be connected to a composite input on your TV!)
- 5. **HDMI Output:** For most modern TVs
- 6. VGA Output: For most monitors
- 7. 2 x USB 2.0 Ports: For USB mouse and external storage
- 8. LAN Port: To connect your DVR to the network
- 9. RS485 Connector: For PTZ Camera**
- 10. Power Connector: To power the DVR

*Requires audio capable camera or self-powered microphone, not supplied

**Requires PTZ Camera

1.2 Connecting the DVR

Power the DVR directly by using the adapter supplied in the DVR box.

To power the cameras (if supplied), use the adapter supplied in the camera box, along with the splitter cable, as per the diagram below:



The cameras are powered via the 18m CCTV cable supplied. The cable carries both the power to the camera, and the video feed from the camera to the DVR. This setup allows you to power up to 8 cameras from a single power socket.



CAUTION The power splitter cable and adapters are designed ONLY for use with Homeguard DVRs and cameras! DO NOT attempt to connect other brands as this may present a risk of fire!

Connecting the accessories:



To connect a camera via BNC:

- 1. Align the BNC connector with the notches on the BNC socket and slide into place.
- 2. Rotate the BNC connector clockwise until it locks in place.

To disconnect a camera:

- 1. Apply pressure to the BNC connector, then rotate anti-clockwise.
- 2. Slide the BNC connector away from the socket.







1.3 Mounting the cameras

Each Homeguard camera is supplied with a mounting kit for attaching it to a wall. Before you affix the camera in position, please ensure the cable is of adequate length to reach the DVR.

To mount the camera on a wall or ceiling, follow these instructions:

- 1. Ensure the surface you want to mount the camera on is solid and can support the weight.
- 2. Accurately mark on the wall the position of the holes to be drilled.
- 3. Drill to the correct depth in the wall, as indicated by the plugs.
- 4. Insert plugs into the drilled holes.
- 5. If required, drill a hole in the centre to feed the camera cable through the wall. Note the cable can be routed along the wall via the cut-out in the camera base.
- 6. Secure the camera to the wall using the provided screws.



To adjust the camera's position, loosen the screws at the base of the camera and the pivot point on the arm, as well as the locking ring on the bracket. The camera is now free to be positioned at any angle. Once positioned, tighten both screws and locking ring again.

1.4 Basic operation

Using the DVR with the USB Mouse (Recommended)

The easiest way to operate the DVR is to use the included USB mouse, as it will allow a smooth and intuitive use of the menu system.

All the functions are used with either the right or left mouse buttons:

Left click:

- Selects an item
- Confirms a choice

Right click:

- Opens the menu shortcuts
- Returns one page back in the menu system

NOTE Unless otherwise stated, all system functions described in this manual are achieved using the mouse.

Using the front panel buttons

The front panel buttons are adequate to operate the DVR, however they are not best suited to constant use. It is easy to navigate through the display modes, basic settings and menus, but slower and less intuitive than using the mouse.

Using the remote control

The remote control is similar in use to the front panel, however it supports more functions:

- 1. Record: Starts or stops manual recording.
- 2. Address: Displays the remote address.
- 3. **Numbers**: In menus, enters values. In the viewing screen, displays the selected channel.
- 4. Play: Opens the playback screen
- 5. Function: Confirm the selection
- 6. Split: switches between single and 4 channel display
- 7. **D-Pad**: Navigates through the menus and switches between the displayed channels. **Return:** Confirms the selection.
- 8. Esc: Exits the current menu
- 9. Shift: Offers alternatives in the menus
- 10. Playback controls.





2 Getting Started

At first use, it is a good idea to set some basic parameters, which will enable you to use the DVR more easily and ensure all systems work as they should. To achieve this, this chapter will explain the following:

- Default login details, to enable you to use all functions of the DVR,
- How to format the hard drive, to ensure it is clear and ready to record,
- How to set the time and date on the DVR, to ensure your recordings are easy to find,
- How to set the channel names, again to make the DVR easier to use,
- How to set a password, and
- How to use quickly access Record and Search functions.

To access the menu system, right-click anywhere on the screen and choose the "Main Menu" option:



If you are not already logged in, a box will pop up to prompt you to enter your login details. Please note, as a default parameter, users are automatically logged out of the menu after 10 minutes of inactivity, so you may have to log in again even if you already entered your details a short time ago.

2.1 Login details

When prompted, enter your user name and password. If you have not set these yet, please use the default "admin" username.



No password is set on the Admin account by default, do not enter a password.



2.2 Formatting the hard drive

It is important to format the hard drive before first use, to ensure it is clear of any data and ready to work with the DVR. If the hard drive used is set to the wrong format, the DVR may not be able to record.

CAUTION

Formatting the HDD will erase all data saved on it, if you are not using a brand new HDD, please ensure you have backed up any data you may want to keep.

In the main menu, select **STORAGE**, then **HDD MANAGEMENT**



The HDD management screen shows all connected hard drives.

Select the one to format (most likely the only one there at this stage), and click **Format**

HDD MANAGE								
All	-	931.48 GB	931.48 GB					
" K '	Kead/white	931.48 GB	40 J.46	Normal				
Pagel	Jp ►PageD	own Fo	rmat Set	OK				

Click **OK** to confirm.

Once the format is completed, you will be prompted to restart the DVR.







2.3 Adjusting the time and date

It is important to adjust the time and date on your system, to ensure the recorded files are properly labelled.

In the main menu, select **CONFIGURATION** then **SYSTEM**



The System screen allows you to adjust the system time and date, and which format they are displayed in.

Once the time has been adjusted, click Save.

You can then amend other settings as required, click **OK** when done.

Other settings include how the DVR handles a full hard drive, the length of each recorded file, and the time after which the user will be logged out if inactive. These are explained in more detail in chapter 4.5.

	SY	STEM	
System Time	15 - 05 - 2013	8 09:24:14	Save
Date Format	DD MM YYYY	🗸 🗖 DST 🔤 Set	
Date Separator		-	
Time Format	24-HOUR		
Language	ENGLISH		
HDD Full	Overwrite	v	
Pack Duration	60	min.	
DVR No.	8		
Video Standard	PAL	V	
Auto Logout	10	min.	
	Defaul	t OK Cai	ncel Appl

2.4 Adjusting the channel names

It is a good idea to adjust the channel names, so you can easily tell which one you are reviewing, particularly if your cameras are looking at similar areas.

In the main menu, select **OUTPUT**, then **DISPLAY**

The display menu allows you to set display options.

Next to Channel Name, click Modify

Click in the name field to edit it using the virtual keyboard, open this by clicking on the **characters box** twice.

When done, click anywhere on the screen to close the virtual keyboard, click **OK**, then **OK** again to exit the display menu. The new channel name is displayed in the bottom corner of the viewing screen.



Color AN

GUI	Output Config	Tour Config
Transparency	100%	Channel Name Modify
Time Display	\checkmark	Channel Display 🗹
Overlay Info	☑	
	Defau	lt OK Cancel Apply
	Chan	nel Name
Cam	01 Cam 01	Cam 02 Cam 02
Cam	03 Cam 03	Cam 04 Cam 04
Cam	05 Cam 05	Cam 06 Cam 06
Cam	07 Cam 07	abci 08 Cam 08
	Defau ! ? @ #	\$%^&*← 123
	a s d	fghjkl: 789
	shift z x	cvbnm 0←

2.5 Setting a password

As stated, the default password for the "admin" account is blank, meaning there is no password. We advise you to set a password on your DVR to protect your privacy, however this decision is up to you.

I Company

In the main menu, select **SETUP**, then **ACCOUNT**.

In the Account screen, select the account you want to modify (in this case, the Admin account), then click **Modify Password**.

Fill in the old password (in this case leave blank) and new password fields, and confirm the new password. Confirmation is required to prevent typing errors.

Once done, click OK.

Click **OK** when the confirmation message pops up.

If an error message pops up, either the confirmation doesn't match the new password, or the old password is incorrect. This is most likely to a typing error, and you need to re-enter the passwords.

SETUP -> ACCOUNT
ACCOUNT
3 User Group Status 1 admin Login Local 2 user user 3 default user Default User
Add User Modily User Add Group Modily Group Modily Password OK
Name admin v
Old Password New Password Confirm !?@#\$%^&`+ !?@#\$%^&`+ !?@#\$% intervention intervention intervention intervention intervention intervention intervention
OK Cancel
Message
Modify password succeeded.
Message Passwords don't match.
Message Password is not valid.
ОК

2.6 Menu shortcuts

From the main viewing screen, a right click anywhere on the screen opens the Quick Menu. This gives you a number of shortcuts to access the main features quickly:

View 1 displays one channel in full screen, you can choose which channel via the drop down menu.

View 4 displays all 4 channels

P/T/Z opens the Pan Tilt Zoom menu*

Colour Setting allows you to adjust each channel's image to compensate for lighting differences

Search opens up the playback interface (more details below)

Record allows you to quickly switch between recording modes on each channel (more details below)

Alarm Output allows you to modify the external alarm settings** Main Menu opens up the main menu.

*Compatible PTZ camera required **Compatible models only

2.7 Recording Options

From the main viewing screen, right click to open the quick menu, and select **Record**. This menu allows you to switch between recording modes for each channel.

Schedule sets the DVR to record as per the schedule defined in the main recording menu (see chapter 3.2.2)

Manual sets the DVR to record the selected channel, irrespective of any other settings

Stop, as can be expected, stops any recording on the selected channel.

All allows you to select all channels at once.







NOTE

If you want your DVR to start recording as quickly as possible, set all channels to manual recording now. You will be able to amend these settings later, as required.



2.8 Playback

From the main viewing screen, right click to open the Quick menu and select **Search**. This will open the main Search/Playback screen

To begin playback:

- Choose the type of recording (Video/Picture)
- Select the recording date via the calendar. The days where a recording has occurred are highlighted.
- Select which channels to playback
- The time track on the bottom part of the screen displays all recordings for the chosen day. Simply double click on the chosen time and channel to start playback
- You can also choose from a list of recordings, by clicking the **List** button
- You can backup the selected files by clicking the **Backup** button:

Use the on-screen controls to navigate through the video. Like a DVD player, you can use these to fast forward, rewind, pause, etc.



The controls in the right hand corner allow you to play the videos full screen, etc.















3 Basic Use

This chapter covers the main functions DVRs are used for, i.e. recording, alarm, and remote viewing (from a PC or mobile). Playback options are described in chapter 2.8.

3.1 Menu layout

The main menu has 6 options:

	MAIN MENU							
<u>.</u>	- 💐		1	٢				
SEARCH	SETUP	MAINTAIN	OUTPUT	STORAGE	SHUTDOWN			

SEARCH: takes you to the playback screen

SETUP: to adjust system, recording, network, alarm and account settings, as well as how the system deals with errors.

MAINTAIN: shows information about the DVR and its usage, such as how much space each recording is using up, a log of all activity on the DVR, and options to default most settings and automatically update the system.

OUTPUT: to adjust output settings, from the display to any accessories you may use.

STORAGE: to manage the installed HDD(s) and backup USB drive(s)

SHUTDOWN: to shut down or restart the DVR, or to log out of the menu.

TIP

Look out for handy help texts displayed in the bottom field of the menu window, for a quick explanation of the selected function.

3.2 Recording

This DVR offers a range of recording options to suit any user's needs. These range from recording resolution and quality, to recording schedule and conditions. To access these, select **SETUP** in the main menu, then **RECORD**.



NOTE

All options mentioned in this chapter cover one channel only, however the settings applied to that channel are easily copied by selecting **Copy** and choosing which channel to copy the settings to. The **copy** option is available on each screen.

3.2.1 Recording settings

The **Local Channel** tab is used to define how the DVR records the footage, for each channel. These settings affect the quality and size of the video, which also means how much time you will be able to record. As a rule of thumb, the higher the video quality, the more space it needs on the hard drive.

RECORD							
Local Channel Record Plan							
Channel	1						
Compression	H.264		Minor Stre	eam1	V		
Resolution	D1	v	CIF		V		
Frame Rate(FPS)	25	V	6		V		
Bit Rate Control	CBR		CBR		V		
Quality	Normal		Normal		v		
Audio							
Bit Rate(Kb/S)	1280 🔍		160	7			
Snapshot	Snapshot Set						
Display Options	Setting						
Copy Default OK Cancel Apply							

- **Compression:** Modern DVRs use **H.264** compression, which simply put means the DVR only records changes between each frame, as opposed to a whole new frame each time, to ensure the highest quality and smallest file size.
- **Resolution** is the recorded size of the picture, in pixels.
 - **D1** is almost the same resolution as a DVD, 704 x 576.
 - **CIF** is ¼ of D1, similar to a low quality webcam.
- Frame Rate represents how many frames the DVR records each second. The human eye sees 25fps as smooth motion. 6fps should be good enough for most surveillance systems, and allows you to record a lot more on the hard drive.
- **Bit rate control** defines how the bit rate is worked out, it can be variable (a good compromise for recording high quality video while saving space on the HDD) or constant (better for viewing on mobiles, which require a steady stream of data)
- **Quality** of the recorded video: this defines how well the DVR handles changes between frames.
- Audio: tick to enable audio recording*
- **Bit rate** is the maximum amount of data the DVR records per second. If the bit rate required for recording is higher than the maximum bit rate selected, the picture quality will deteriorate slightly. If you suffer from slightly blurry images, you may need to increase the maximum bit rate.
- Snapshot allows you to adjust settings for snapshots.
- **Display Options:** adjust recording display settings. Choose to display the channel name and/or number, the date and time, and if parts of the video need to be covered.

*Requires audio capable camera or self-powered microphone

NOTE

The Minor Stream settings apply to the video sent to remote viewing platforms, like mobiles. These require lower quality settings to ensure the video can be streamed.



3.2.2 Schedule

In the **Record Plan** tab, you can define a recording schedule for each channel. For example, you may choose to record only during office hours.

Choose which channel you wish to schedule and how long to prerecord (for event triggers only).

To plan the recordings for each day, click **Set** next to the chosen day.

Define up to 6 time periods by entering the start and finish times for each one, and select the type of recording applicable for this period (see chapters 3.2.3 and 3.2.4 for details on these recording types).

Select any days these recording periods must apply to.

When done, click OK.

Repeat this process for any days where the recording periods are different.

(_	RECORD	_		
Local Channel	Rec	ord Plan				
Channel	1	v	PreRecord	4 sec	. Red	undancy
	00	06	12	18	24	
Sun						Set
Mon						Set
Tue						Set
Wed						Set
Thu						Set
Fri			· · · · · · · · · · · · · · · · · · ·			Set
Sat						Set
		Regular	MD	Alarm		
	Сору	Dei	ault C	DK	Cancel	App.

	Plan	
Record Type Period 1 00 : 00 - 07 : 00 Period 2 07 : 00 - 10 : 00 Period 3 10 : 00 - 17 : 00 Period 4 17 : 00 - 20 : 00 Period 5 20 : 00 - 24 : 00 Period 6 00 : 00 - 24 : 00	Regular ☑ ☑ ☑ ☑	Alarm
Select All] Wed	

3.2.3 Recording capacity

As mentioned in chapter 3.2.1, recording settings affect the amount of time which can be recorded on a given hard drive. Please refer to the table below for the available recording time, in days, based on normal settings:

		Number of Cameras							
		1	2	3	4	5	6	7	8
	500GB	100	50	33	25	20	17	14	13
HDD Canacity	1TB	200	100	66	50	40	33	29	25
Capacity	2TB	400	200	132	100	80	67	57	50

3.3 Alarm Modes

In the main menu, select SETUP, then ALARM.



3.3.1 Local Alarm

You can enable the DVR to be triggered by an external alarm, or vice versa. Please confirm the required settings with your alarm supplier.

3.3.2 Mobile Alarm

Enables any DVR alarm to be relayed to your mobile phone, via the DVR's app. This is enabled by default.

3.3.3 Motion Detection

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The **Detect** tab covers 3 types of alarm, available on each channel:

- Motion detection to trigger an action when the DVR sees movement on any chosen channel
- Video loss to trigger a warning when the DVR loses the video feed from a camera
- **Camera masking** to trigger a warning when a camera is covered.

Tick to enable Motion Detection

Select the **sensitivity**. Choose a low sensitivity if the image recorded is likely to move a little, for example if there are trees in the background.

Select the time to apply between **triggers**, to ensure the same event does not trigger several alarms.

Click **Set Area** to select the area of the picture where the motion detection will be active

Select the area (red=active, clear=inactive), **right click** once done

Click Process to set the active period, actions and





Process

20

warnings the alarm will trigger.

NOTE Actions and warnings apply to each on these types of alarm, so only the Motion Detection type is covered below.



Period defines when the alarm will be active. You can set up to 6 active periods for each day of the week.

Click Set next to the chosen day.

Enter the start and finish times for each period, then tick the period to confirm.

If this activity period apply to other days, tick these below.

Click **OK** when done.

Action defines what the DVR will do when the alarm is triggered, tick any you wish to apply. The options are:

- **Record** any channel. Click **Select** to choose which channel to record and how long for.
- **PTZ Activation**. Click **Select** to choose which PTZ cameras are activated and what you need them to do*.
- **Tour**. Chosen channels will be displayed in turn on the main viewing screen. Click **Select** to choose the relevant channels.
- **Snapshot**. Click **Select** to choose which channels to take a snapshot from.

*Requires compatible PTZ camera

Process defines how the DVR will warn you about the relevant alarm, tick any you wish to apply. The options are:

- Alarm Out. Triggers the external alarm (if fitted). Refer to your alarm manufacturer for more info.
- **Display Message**. Displays a message on the main viewing screen.
- Send Email. Sends an email to a specified email account (See chapter 4.3.2 for more details)
- Select **Pushed to Mobile** if you want the alarm to be relayed to your mobile device.
- **Sound Buzzer**. Sounds an audible warning in the DVR.







3.4 Access your DVR remotely via a computer or mobile

This DVR can easily and securely be accessed remotely from any computer connected to the internet, or a compatible mobile phone. To achieve this, it is necessary to connect the DVR to your home network, and ensure it is correctly setup.

3.4.1 Network and P2P settings

To ensure the system is setup properly, you need to find your router's local IP address, and apply it to the DVR. You then need to test the connection to the cloud based P2P service. The details required should already be present by default, however may not match in some cases, so it is necessary to check them first. This should only take a few minutes.

3.4.1.1 Find your router's local IP address

The quickest way to do this is to run a program called **IP Config** on your computer. This is built in to Microsoft Windows as standard.

The method used to run IP Config differs according to your operating system:

Windows XP

Click "Start", then "Run..." to display the "Run" dialog box.



In the "Run" dialog box type **cmd** and click OK.

		? 🔰
	Type the name of a program, folder, docu Internet resource, and Windows will open	iment, or it for you.
Open:	cmd	~

A command prompt will open. Type **ipconfig /all** and press Enter.

Find the value for "Default Gateway", this is your router's local IP address.

For example, it could be "192.168.1.1".

You can now close the command prompt window. Type **exit** and press Enter, or click the cross at the top right of the window.

C: vipconfig /all Windows IP Configuration Host Name	
Windows IP Configuration Host Name	
Host Name	
Ethernet adapter Local Area Connection: Media State Media Description Ather Physical Address	n
Media State : Media Description : Ather Physical Address	
Ethernet adapter Wireless Network Connection: Connection-specific DNS Suffix : Passing and advess	disconnected s AR8121/AR8113/AR8114 PCI-E E
Connection-specific DNS Suffix .: Description Dhep Enables	
Subnet Mask : 255.3 Default Gateway : 192.1 DHCP Server : 192.1 DMS Server : 192.1 Lease Obtained : 61 D Lease Expires : 28 M	n Wireless LAN Card 8.1.11 8.1.1 8.1.1 8.1.1 enber 2021 09:44:20 enber 2021 09:44:20



Windows Vista / Windows 7

Click "Start", then in the "Search programs and files" box, type **cmd** and press Enter.

A command prompt will open. Type **ipconfig /all** and press Enter.

Find the value for "Default Gateway", this is your router's local IP address. For example, it could be "192.168.1.1".

You can now close the command prompt window. Type **exit** and press Enter, or click the cross at the top right of the window.

Windows 8

Press the "Start" button on your keyboard, or hover your mouse pointer at the bottom left corner of the screen and click the tile to open the "Start" screen.

Type **cmd** to search for the Command Prompt. It will be displayed in the Apps list at the top left of the screen. Press Enter or click the icon to open the program.

You will be returned to the Windows desktop and the command prompt window will open. To display network information, type **ipconfig /all** and press Enter.

Find the value for "Default Gateway", this is your router's local IP address.

For example, it could be "192.168.1.1".

You can now close the command prompt window. Type **exit** and press Enter, or click the cross at the top right of the window.











3.4.1.2 Apply these settings to the DVR

From the main menu, select **SETUP**, then **NETWORK**.

Ensure the Gateway and Alternate DNS Server fields are filled in with your router's local IP address.

Other settings on this screen are only relevant to advanced users, and should be left as default. If these are changed, it may affect your DVR's connection to the network.

	Please ensure DHCP is left unticked. If it is
	selected, the IP address will be
TE	automatically assigned as required, and
	remote connection will be delayed as the
	server will need to "find" the DVR again.

P2P Cloud setup 3.4.1.3

NO

From the NETWORK menu, select the P2P tab.

This displays your DVR cloud service options. Ensure Enable is set to OPEN, and Status shows Online. If it doesn't, click **Ping** for the system to check the status.

	lf th	e systen	n does n	ot shov	v Onl	ine aft	ter
NOTE	the	check,	please	check	the	DVR	is
	prop	erly con	nected t	o the ne	etwor	k.	

Note your device's ID and password. The device ID is unique to your DVR and cannot be changed, however you can set a new password if desired.

Access the DVR from a computer using a browser 3.4.2

In Internet Explorer, go to www.vssweb.net. Your browser may prompt you to install an ActiveX control, please allow this.

Internet Explorer blocked this website from insta	ling an ActiveX control. What's the risk?	Install ×
If a security warning box pops up, t cannot be downloaded due to in normal security settings.	he ActiveX control nternet Explorer's Name: P2P.cab Publisher: Unknown Publisher Windows has blocked this software becar Name: P2P.cab To heip protect your computer, Window verify the publisher. See how this held	arning S use it can't verify the publisher. OK ws will block software when it cannot sprotect your computer.





NETWORK								
Basic	Adva	anced	N	etwork	Status	P2P		
Network Card ⁻ DHCP	Гуре	Wire	d Netw	vorl _▼				
IP Address		192	. 168	. 51	· 25			
Subnet Mask		255	. 255	· 255	. 0			
Gateway		192	. 168	. 51	. 194			
First DNS Serv	er	8	. 8	. 8	. 8			
Alternate DNS	Server	192	. 168	. 51	. 194			
Physical Addre	ss	E0:6	1:B2:08	:1C:4D				
			ofoult			anacl Ann		



To resolve this, please add www.vssweb.net to Internet Explorer's trusted websites. These are approved websites and benefit from lower security settings.

In your browser, click Tools, then Internet Options.

		ē	x
		💮 🕁	*
	Print		•
	File		•
	Zoom (100%)		•
	Safety		•
	View downloads	Ctrl+	J
	Manage add-ons		
	F12 developer tools		
	Go to pinned sites		
	Internet options		
	About Internet Explor	rer	
_			_

In the Security tab, select the Trusted sites icon, then click Sites.



Select **Device Login**, then enter your DVR's ID number and password and click Login.





User login	Device login
Serial number:	
1	
Password:	
Login	Enter Guide

The main viewing window can display up to 36 channels simultaneously.



The **Channel** menu, on the left, shows what channels are available. Click on the selected channel name to display it in the highlighted window, or click **Open All** to display all available channels at once.



The channel is marked as active when the icon next to the name is yellow:



The **PTZ** menu, on the right, allows you to control any Pan/Tilt/Zoom camera connected to the DVR.





Choose how many windows to display using the **Window** menu at the bottom:



The **Settings** menu in the bottom right corner allows you to adjust display settings for each channel, and to set the location of recordings and snapshots on your computer:



The **Functions** menu offers several options, applicable to each channel separately:



Each function is toggled on or off by clicking the corresponding icon. The icon turns green when toggled.

Digital Zoom: zoom in to a chosen area in the video **Full Screen**: switch the current channel to full screen display

Record the current channel directly to your computer **Snapshot** of the current channel, saved directly to your computer.

Audio: toggle audio on/off*

Close: stops playback on the current channel.

*Requires audio compatible camera or self-powered microphone

The main menu, at the top, allows you to change the DVR's settings, play recorded files, and adjust cloud alarm settings.

		SEARCH		авоит 🥥	LOGOUT		N COM
--	--	--------	--	---------	--------	--	-------

The **CONFIG** menu is very similar to the DVR's menu. It is presented differently but you can adjust all settings in the same way.

The **SEARCH** menu allows you to play files recorded on the DVR.

Select the type of recording, start and finish times and channel you wish to search, then click **Search**.

Double click on the selected recording to start playback in the selected window.

In Playback mode, the controls below appear at the under the main screen when the playback window is selected. These can be used to navigate through the video like a DVD player.



Type -	Para	ameter —					Operation		
(R	ecord Sta	rt Time	08/05/2013	•	14:57:56	<u>.</u>	SearchP	ayback	•
· AI	Enc	Time	09/05/2013	-	14:57:56	-	Download Type	File	-
CM	otion		1		1				1
c	Chi	annel	All	•			Download	1	
0.0	ocai						Open Local Re	ecord	
00	ard						Watermar	k	1
₩ 1 S/N	File Size(KB)	4	me	End	d Time		Record Type	Cha	n. 4
₩ 1 S/N 1	File Size(KB)	4 Start Tit 08-05-2	me 2013 13:47:24	Enc 08-	d Time 05-2013 1	5:0:0	Record Type Regular	Cha 1	n
I 1 5/N 1 2	☐ 2 ☐ 3 ☐ File Size(KB) 129480 118548	4 Start Til 08-05-2 08-05-2	me 2013 13:47:24 2013 15:0:0	Enc 08- 08-	1 Time 05-2013 1 05-2013 16	5:0:0	Record Type Regular Regular	Cha 1 1	n
■ 1 S/N 1 2 3	2 3 7 3 7 File Size(KB) 129480 118548 98852	4 Start Til 08-05-2 08-05-2 08-05-2	me 2013 13:47:24 2013 15:0:0 2013 16:0:0	Enc 08- 08- 08-	1 Time 05-2013 1: 05-2013 1: 05-2013 1	5:0:0 5:0:0 7:0:0	Record Type Regular Regular Regular	Cha 1 1	n
I 1 S/N 1 2 3 4	2 3 File Size(KB) 129480 118548 98852 86025	4 Start Til 08-05-2 08-05-2 08-05-2 08-05-2	me 2013 13:47:24 2013 15:0:0 2013 16:0:0 2013 17:0:0	Enc 08- 08- 08- 08- 08-	f Time 05-2013 1: 05-2013 1: 05-2013 1: 05-2013 1:	5:0:0 5:0:0 7:0:0 3:0:0	Record Type Regular Regular Regular Regular	Cha 1 1 1	n
I 1 5/N 1 2 3 4 5	2 3 5 1 1 2 1 2 3 5 1 2 1 2 3 1 2 1 2 3 1 2 1 2 3 1 1 2 3 1 2 3 1 2 3 1	4 Start Til 08-05-2 08-05-2 08-05-2 08-05-2 08-05-2	me 2013 13:47:24 2013 15:0:0 2013 16:0:0 2013 16:0:0 2013 18:0:0	Enc 08- 08- 08- 08- 08- 08- 08- 08-	d Time 05-2013 1: 05-2013 1: 05-2013 1: 05-2013 1: 05-2013 1:	5:0:0 5:0:0 7:0:0 3:0:0 9:0:0	Record Type Regular Regular Regular Regular Regular	Cha 1 1 1 1	n
√ 1 S/N 1 2 3 4 5 6 7	2 3 File Size(k3) 129480 118548 98852 86025 60467 50714 40031	4 Start Til 08-05-2 08-05-2 08-05-2 08-05-2 08-05-2	me 2013 13:47:24 2013 15:0:0 2013 15:0:0 2013 15:0:0 2013 19:0:0 2013 19:0:0 2013 19:0:0	Enc 08- 08- 08- 08- 08- 08- 08- 08- 08-	d Time 05-2013 11 05-2013 11 05-2013 11 05-2013 12 05-2013 21 05-2013 22	5:0:0 5:0:0 7:0:0 8:0:0 9:0:0 0:0:0	Record Type Regular Regular Regular Regular Regular Regular	Cha 1 1 1 1 1 1	n
√ 1 S/N 1 2 3 4 5 6 7 8	2 3 5 File Size(KB) 129480 118548 98852 86025 60467 50714 49231 51747	4 Start Til 08-05-2 08-05-2 08-05-2 08-05-2 08-05-2 08-05-2 08-05-2	me 2013 13:47:24 2013 15:0:0 2013 15:0:0 2013 15:0:0 2013 18:0:0 2013 18:0:0 2013 19:0:0 2013 20:0:0	Enc 08- 08- 08- 08- 08- 08- 08- 08- 08- 08-	d Time 05-2013 11 05-2013 11 05-2013 11 05-2013 12 05-2013 22 05-2013 23 05-2013 24 05-2013 24 05-2014 05-2013 24 0	5:0:0 5:0:0 7:0:0 3:0:0 9:0:0 0:0:0 1:0:0	Record Type Regular Regular Regular Regular Regular Regular Regular	Cha 1 1 1 1 1 1 1	n
√ 1 S/N 1 2 3 4 5 6 7 8 9	2 3 5 File Size(KB) 129480 118548 98852 86025 60467 50714 49231 51247 51338	4 Start Til 08-05-2 08-05-2 08-05-2 08-05-2 08-05-2 08-05-2 08-05-2 08-05-2 08-05-2 08-05-2	me 2013 13:47:24 2013 15:0:0 2013 15:0:0 2013 17:0:0 2013 17:0:0 2013 19:0:0 2013 20:0:0 2013 20:0:0 2013 20:0:0 2013 20:0:0	Enc 08- 08- 08- 08- 08- 08- 08- 08- 08- 08-	1 Time 05-2013 11 05-2013 11 05-2013 11 05-2013 12 05-2013 21 05-2013 22 05-2013 22 05-2013 22 05-2013 22	5:0:0 5:0:0 7:0:0 3:0:0 0:0:0 0:0:0 1:0:0 2:0:0 2:0:0	Record Type Regular Regular Regular Regular Regular Regular Regular Regular	Cha 1 1 1 1 1 1 1 1 1 1	n
√ 1 S/N 1 2 3 4 5 6 7 8 9 10	2 3 12946 File Size(KB) 1129480 118548 98852 86025 60467 50714 49231 51247 51328 51519	4 Start Til 08-05-2 08-05-2 08-05-2 08-05-2 08-05-2 08-05-2 08-05-2 08-05-2 08-05-2 08-05-2	me 013 13:47:24 013 15:0:0 013 15:0:0 013 15:0:0 013 18:0:0 013 18:0:0 013 19:0:0 013 20:0:0 013 22:0:0 013 22:0:0	Enc 08- 08- 08- 08- 08- 08- 08- 08- 08- 08-	1 Time 05-2013 1: 05-2013 1: 05-2013 1: 05-2013 1: 05-2013 2: 05-2013 2: 05-2013 2: 05-2013 2: 05-2013 2: 05-2013 2:	5:0:0 5:0:0 7:0:0 9:0:0 9:0:0 1:0:0 2:0:0 3:0:0 0:0	Record Type Regular Regular Regular Regular Regular Regular Regular Regular Regular	Cha 1 1 1 1 1 1 1 1 1 1 1	n. /
√ √ 1	2 3 5 File Size(KB) 129480 118548 98852 86025 60467 50714 49231 51247 51328 51519 51258	4 Start Til 08-05-2 08-05-2 08-05-2 08-05-2 08-05-2 08-05-2 08-05-2 08-05-2 08-05-2 08-05-2 08-05-2 08-05-2 08-05-2	me 2013 13:47:24 2013 15:0:0 2013 15:0:0 2013 16:0:0 2013 18:0:0 2013 19:0:0 2013 20:0:0 2013 22:0:0 2013 22:0:0 2013 22:0:0 2013 20:0:0 2013 20:0 2013 20:0 2	Enc 08- 08- 08- 08- 08- 08- 08- 08- 08- 09- 09-	1 Time 05-2013 1: 05-2013 1: 05-2013 1: 05-2013 1: 05-2013 2: 05-2013 2: 05-2013 2: 05-2013 2: 05-2013 2: 05-2013 0: 05-2013 0:	5:0:0 5:0:0 7:0:0 3:0:0 9:0:0 0:0:0 2:0:0 3:0:0 0:0 0:0	Record Type Regular Regular Regular Regular Regular Regular Regular Regular Regular Regular	Cha 1 1 1 1 1 1 1 1 1 1 1 1 1 1	n
√ 1 S/N 1 2 3 4 5 6 7 8 9 10 11 12	2 3 5 File Size(KB) 129480 118548 986025 60467 50714 49231 51247 51328 51519 51258 51200	4 Start Til 08-05-2 08-05-2 08-05-2 08-05-2 08-05-2 08-05-2 08-05-2 08-05-2 08-05-2 08-05-2 09-05-2 09-05-2	me 2013 13:47:24 2013 15:0:0 2013 15:0:0 2013 15:0:0 2013 17:0:0 2013 19:0:0 2013 19:0:0 2013 20:0:0 2013 20:0:0 2013 20:0:0 2013 20:0:0 2013 20:0:0 2013 10:0:0 2013 20:0:0 2013 20:0 2013 20	Enc 08- 08- 08- 08- 08- 08- 08- 08- 08- 09- 09- 09- 09-	1 Time 05-2013 1: 05-2013 1: 05-2013 1: 05-2013 1: 05-2013 2: 05-2013 2: 05-2013 2: 05-2013 2: 05-2013 1: 05-2013 1: 05-2013 1:	5:0:0 5:0:0 7:0:0 3:0:0 9:0:0 9:0:0 1:0:0 2:0:0 3:0:0 0:0 0:0 0:0	Record Type Regular Regular Regular Regular Regular Regular Regular Regular Regular Regular Regular	Cha 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	n. /
I I S/N 1 S/N 1 2 3 4 5 6 7 8 9 10 11 12 13	2 3 3 7 File Size(KB) 129480 118548 98552 86025 60467 50714 49231 51247 51328 51519 51258 51200 51767	4 Start Til 08-05-2 08-05-2 08-05-2 08-05-2 08-05-2 08-05-2 08-05-2 08-05-2 08-05-2 08-05-2 08-05-2 09-05-2 09-05-2	me 013 13:47:24 013 15:0:0 013 15:0:0 013 15:0:0 013 15:0:0 013 10:0 013 20:0:0 013 22:0:0 013 22:0:0 013 22:0:0 013 20:0 013 0:0 013 0:0 013 10:0 013 20:0 013	Enc 08- 08- 08- 08- 08- 08- 08- 08- 08- 08-	1 Time 05-2013 11 05-2013 11 05-2013 11 05-2013 11 05-2013 21 05-2013 22 05-2013 22 05-2013 02 05-2013 02 05-2013 12 05-2013 12	5:0:0 7:0:0 3:0:0 9:0:0 1:0:0 1:0:0 3:0:0 0:0 0:0 0:0 0:0	Record Type Regular Regular Regular Regular Regular Regular Regular Regular Regular Regular Regular	Cha 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
I I S/N 1 S	2 1 3 1 File Size(KB) 129460 118548 98852 86025 60467 50714 49231 51247 51247 51238 51519 51258 51200 51767 51797	4 Start Til 08-05-2 08-05-2 08-05-2 08-05-2 08-05-2 08-05-2 08-05-2 08-05-2 08-05-2 08-05-2 08-05-2 09-05-2 09-05-2 09-05-2 09-05-2 09-05-2	me 2013 13:47:24 2013 15:0:0 2013 15:0:0 2013 17:0:0 2013 17:0:0 2013 12:0:0 2013 20:0:0 2013 20:0:0 2013 22:0:0 2013 20:0:0 2013 10:0 2013 20:0:0 2013 20:0 2013 20:0 2015 20:0 201	Enc 08- 08- 08- 08- 08- 08- 08- 08- 08- 09- 09- 09- 09- 09- 09- 09- 09- 09-	1 Time 05-2013 1 05-2013 1 05-2013 1 05-2013 1 05-2013 2 05-2013 2 05-2013 2 05-2013 2 05-2013 2 05-2013 2 05-2013 3 05-2013 2 05-2013 2 05-	5:0:0 5:0:0 7:0:0 9:0 9	Record Type Regular Regular Regular Regular Regular Regular Regular Regular Regular Regular Regular Regular Regular	Cha 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	

Operation(External Alarm can't open video)

Alarm Port/Channel

Monitor Alarm

Sound Pop-up

Sound Path

Event Type

Motion Detect Motion Detect

Motion Detect

lotion Detec

tion Det

lotion Detec

tion Dete

Alarm Sound

Video Pop-up 🔽 Prompt

×

>>

Alarm

Event Type

Video Loss

₩ Motion Detect

Disk Full

Disk Error

Video Mask

Time

15:6:23 15:6:18 15:6:16 15:6:15

15:6:15 15:6:10 15:4:51 15:4:35

15:4:34 15:4:17

15:4:15 15:3:50 15:3:47 External Alarm

Device ID

0e102002 0e102002 0e102002 0e102002

0e102002 0e102002

0e102002

0e102002

0e102002

0e102002

0e102002 0e102002

The **ALARM** menu is used to adjust alarm warning settings applicable to the cloud viewing platform. These are the alarms triggered by the DVR, which you can choose to be notified of when connected to your device.

Choose the type of **Event** for which you wish to be notified.

Tick **Monitor Alarm** to activate the warnings.

Choose **Video Pop-up** for the channel to be displayed automatically in a free window.

Choose **Prompt** for the alarm menu to pop up when the alarm is triggered.

You can also choose to assign a sound to the alarm warning. To do so, click on the arrow to browse you files and choose a sound file, the tick **Sound Pop-up**.

The window also displays a log of all alarms recorded.

ABOUT displays details about the cloud software.

bout			×
	IVSWeb Control,	Version: 2.4.2.2	
	NETSDK,	Version: 3.18.1.1	
	PLAYSDK,	Version: 2.6.4.6	
	Copyri	ight (C) 2010	

LOGOUT exits the current session and takes you back to the login screen.



3.4.3 Access the DVR on your mobile

To view your DVR on your tablet or smartphone, please install the IMSEye app (available to download from your mobile device's app store, also available on the software CD included for direct installation). With this you can view the live feed, review recorded footage, and record videos and snapshots directly to your mobile device.

This chapter explains how to setup your system, and offers an overview of the app's functions.

3.4.3.1 Add the DVR to the app

Select **Device List**, then + to add a new device.



Choose a name for your CCTV system (this name will be displayed when selecting which device to view).

Set the Connection type to P2P

Tap the **QR Code** icon, then scan the code found in the DVR menu (see chapter 3.4.1.3). This will fill in all the required fields with your DVR's ID and password.

Click OK to validate.



3.4.3.2 Live viewing

From the Device List, select your DVR, then the channel you wish to display.

The app will now connect to your DVR, via the cloud. The connection may take a moment, please be patient.



Once connected, double tap the desired viewing screen to display the channel in full screen. You can display up to 4 channels simultaneously.

You will notice a slight delay in the video, this is dependent on the quality of the network you are connected to.

Please adjust the **Minor Stream** settings (chapter 3.2.1) to alter the video quality.





3.4.3.3 App Functions

From the main viewing screen, the following options are available:

Start or Stop playback

Snapshot: take a snapshot of the selected screen. This will be saved in your pictures or images folder.

Record: record the current channel as a video file on your device.

Alarm: If an alarm is activated on your DVR, it will be relayed to your phone. The Alarm icon will light up, and an alarm sound will be played. You can amend this in the **Settings** menu.

From the main menu, the following options are available:

Saved Photos: review the snapshots obtained from the app

Local Video: review the video files recorded from the app



Back	Saved Photos	Edit
	20130515142132.jpeg /sdcard/snapshot/ 20130515142132.jpeg	>
	20130416132210.jpeg /sdcard/snapshot/ 20130416132210.jpeg	>
	20130411101306.jpeg /sdcard/snapshot/ 20130411101306.jpeg	>
	20130411100814.jpeg /sdcard/snapshot/ 20130411100814.jpeg	>

Back	Local video	Edit
	20130515142115.mp4 rd/20130515142115.mp4	>
	20130416132220.mp4 rd/20130416132220.mp4	>
	20130411172327.mp4 rd/20130411172327.mp4	>
	20130411101301.mp4 rd/20130411101301.mp4	>

4 Advanced Functions

This chapter will explain the other functions offered by the DVR.

NOTE Functions covered in the previous chapters are not included.

4.1 Configuration

4.1.1 System

This menu allows you to alter how the date and time are displayed, as well as the menu's language.

You can choose to apply automatic Daylight Saving Time to the DVR, To do so, tick **DST**, and click **Set** to enter the start and finish date.

Select how you want the DVR to handle a **Full HDD**. You can choose to **Overwrite** the oldest files, or **Stop** recording.

Choose the **Pack Duration**, that's the length of each video file.

You can change the **DVR's number**, however this is only useful if you have several DVRs.

Choose the **Video Standard** to match your monitor of TV.

Select the amount of **time** after which the user will be **logged out** of the menu system if inactive.

SYSTEM				
System Time	30 - 04 - 2013		22:50:13	Save
Date Format	DD MM YYYY		DST Set	
Date Separator				
Time Format	24-HOUR			
Language	ENGLISH			
HDD Full	Overwrite	v		
Pack Duration	60		min.	
DVR No.	8			
Video Standard	PAL	v		
Auto Logout	10		min.	



4.1.2 Network

4.1.2.1 Advanced settings, including Email

It is possible to set the DVR to send an email to a designated address when events (such as motion detection or alarm) are triggered.

On the **Email** line, click **Setting**.

Enter your email details as required. The SMTP port number and SSL settings can be found on your email provider's website. For example, Gmail and Yahoo both use port 465 and require SSL to be activated.

Once done, click Test.

A message box will pop up to confirm if the test was successful, if so an email will have arrived in your inbox, please ensure this isn't directed to the spam folder



This section also contains more advanced settings for specific applications, however these are relevant only to advanced users:

PPPOE allows you to connect the DVR directly to a modem.

3G settings allow you to connect the DVR to a 3G network. A 3G dongle is required for this function.

DDNS settings are used to connect remotely to your DVR if required. This is not required with this model thanks to the cloud system.

NTP settings automatically adjust the time and date on all systems connected to your network.

IP Filter allows you to select which computers can connect remotely to the DVR.

Multicast contains details about the various ports used by the DVR.

FTP settings are used to upload files to an FTP server.

Alarm server settings are used to connect the DVR to an external alarm system.

Push settings are used to relay alarm messages to a mobile device

Auto Register settings allow connection to the DVR from another platform, and are not used on this model.

4.1.2.2 Network Status

The Network Status tab display the current IP details applicable to DHCP and PPPOE modes. These are relevant to advanced users only.



4.1.3 Account

The account menu allows you to add or delete users, adjust user permissions and change passwords. You can also set user groups to quickly set permissions to a number of individual users.

			AC	COUNT		
3	User		Group		Status	
1	admin		admin		Login Local	
2	user		user		Normal	
3	default		user		Default User	
Add	User	Modify U	ser			
Add	Group	Modify G	iroun	Modify Pa	ssword	OK
Aud	aroup	inouny c	roap	into any ra	100World	

4.1.4 System Errors

The System Errors menu allows you to amend warning settings for various events. In all cases, click **Process** to define the type of warning the system will give you. You can choose to trigger an external alarm, display a message on screen, send an email, and, for Network Disconnection, start recording any channel.

No HDD: the system will warn you if no hard drive is installed.

HDD full: the system will warn you if the hard drive is nearing full capacity. You can choose how early this warning is given by changing the **Free** value.

Network disconnection: receive a warning if the DVR gets disconnected from the network.

IP Conflict: Indicates another device on your network has been allocated the same IP address as your DVR.

Please amend the DVR's IP address in **Network** Settings.

HDD Error: Indicates a problem with the hard drive.

	SYST	EM ERRORS		
ď	No HDD		Process	
□ Free:	HDD Full 20	%	Process	
\checkmark	Network Disconn	ection	Process	
đ	IP Conflict		Process	
	HDD error		Process	
		ОК	Cancel	Apply



4.2 Maintain

The **MAINTAIN** menu has six options:

LOG: displays a log of all activity on the DVR. You can search for a particular event, or clear the list.

VERSION: displays information about the DVR's software. You can also upgrade the software via a USB flash drive if an update is released.

DEFAULT: Select which settings you want to reset to their default values.

BPS: shows the space used on the hard drive by each channel, in real time. Use this to get an understanding of how different recording settings affect the space required.

AUTO MAINTAIN: offers the option to automatically reboot the system at a chosen time during the week, doing this allows the system to check itself for potential faults.

ONLINE USERS: displays devices connected to the DVR remotely, and allows you to block or disconnect those users.



4.3 Output

The Output menu controls all signals being sent from the DVR:

P/T/Z: Amend the settings relevant to the control of Pan Tilt Zoom cameras. Refer to the camera's manual to confirm which values are required.

RS232: Amend the settings relevant to devices controlled via the RS232 port (for advanced users only)

ALARM OUTPUT: Confirm the active period for an external alarm system.

DISPLAY: Amend the TV or Monitor display settings (see below)



4.3.1 Display settings

Graphic User Interface

Adjust the transparency of the menu, change the channel names, and choose to display the time and date and channel name in the viewing window.



Output Configuration

Amend the screen resolution to suit your TV or Monitor.

If using a TV, you can adjust the picture margins to ensure the display fits your TV perfectly.

You can also change image settings for either monitor or TV separately, to ensure the image is displayed in the best possible conditions.



Tour Configuration

Enable the Tour function, to display each channel in turn on the main viewing window.

Adjust the interval between channels, which channels you wish to display and the tour mode selected for motion and external alarm triggers

		DISPLAY
GUI	Output Config	Tour Config
Enable Tour		
Interval	5	sec.
View 1	1234	
View 4	1	
Motion Tour	View 1	
Alarm Tour	View 1 🚽	
	Defa	ault OK Cancel App.

4.4 Storage

4.4.1 Hard Drive management

The HDD Management menu allows you to format the hard drive or amend hard drive settings. This is only relevant if several drives installed or several partitions created. You can choose to set these as Read/Write, Read only or Redundant.

The menu also displays the hard drive status information, and lists the total period of time recorded.

4.4.2 Backup

Recordings made on the DVR can be transferred from the internal HDD to a USB flash drive or external hard drive, for backup.

Connect a USB flash drive or external hard drive to a free USB port.

Select the drive you wish to backup files to, then click **Backup**.

If your USB drive does not appear in the list, click **Detect**.

You can choose to **Erase** all data on the USB drive if necessary.

Click **Stop** before removing the USB drive, to ensure it is safe to disconnect.

 BACKUP

 1
 Name(Type)

 Free/Total
 Device Status

 1
 Sdb1(USB DISK)

 1.83 GB/7.25 GB
 Ready

 Image: PageUp
 PageDown

 Free/Total
 Device Status

 Image: PageUp
 PageDown

 Free/Total
 Device or file.

 Detect
 Backup

 Erase
 Stop

Search for the files you wish to back up by selecting the type of recording, the channel, and by entering the start and finish times, then click **Add**.

Tick **AVI** to ensure the files are backed up in an easy to read video format.

Click **Start** to begin the backup.

	Back	(up	
Selected Device	sdb1(USB DISK)	▼ √	AVI
Туре	All 🔍 Ch	annel 1 🔻	
Start Time	🥖 09 - 05 - 2013	00:00:00	Remove All
End Time	🥬 09 - 05 - 2013	13:30:29	Add
14 🗌 СН Тур	be Start Time	End Time	Size(KB)
1 🔽 1 R	09-05-13 00:00:00	09-05-13 01:00:00	51258
2 🖂 1 R	09-05-13 01:00:00	09-05-13 02:00:00	51200 💻
3 🖂 1 R	09-05-13 02:00:00	09-05-13 03:00:00	51768
4 🗹 1 R	09-05-13 03:00:00	09-05-13 04:00:00	51798
5 🖂 1 R	09-05-13 04:00:00	09-05-13 05:00:00	51610
6 🖂 1 R	09-05-13 05:00:00	09-05-13 06:00:00	78766
7 🔽 1 R	09-05-13 06:00:00	09-05-13 07:00:00	73260
8 🗖 1 R	09-05-13 07:00:00	09-05-13 08:00:00	79496
🛃 PageUp	PageDown Fn	Select/Cancel backup	o device or file.
Space Required	/ Space Remaining:9	28.06 MB/1.74 GB	Start

Please **do not disconnect** the USB drive while the backup is in progress.

	Back	up		
Selected Device sdb1(USB DISK)				
Туре	All 🚽 Cha	annel 1 🔍		
Start Time	🕖 09 - 05 - 2013	00:00:00	Remove All	
End Time	Ø9 - 05 - 2013	13:30:29	Add	
14 🗌 CH Typ	e Start Time	End Time	Size(KB)	
8 🗌 1 R	09-05-13 07:00:00	09-05-13 08:00:00	79496	
9 🗍 1 R	09-05-13 08:00:00	09-05-13 09:00:00	68154	
10 🗍 1 R	09-05-13 09:00:00	09-05-13 10:00:00	95880	
11 🔽 1 R	09-05-13 10:00:00	09-05-13 11:00:00	96016	
12 🗌 1 R	09-05-13 11:00:00	09-05-13 12:00:00	97502	
13 🗍 1 R	09-05-13 12:00:00	09-05-13 13:00:00	90436 😑	
14 🗌 1 R	09-05-13 13:00:00	09-05-13 13:07:37	11264	
🛃 PageUp	PageDown En	Select/Cancel backup	device or file.	
	Remainir	ng time 0:0:35	Stop	

A message will pop up when the backup is completed, you can now exit the menu and remove the USB drive. Remember to **Stop** any activity before disconnecting.



4.5 Shutdown

The **SHUTDOWN** menu allows you to log out of the menu system, and restart or shut down the DVR. If you are shutting down, please wait for the shut down message to disappear off the screen before unplugging the power supply. This is to ensure the HDD is properly stopped and no data is corrupted.





5 Appendix

5.1 Troubleshooting

If a solution to your problem is not listed below, please contact our technical support team.

	PROBLEM	POSSIBLE CAUSES	SOLUTIONS
•	System is not receiving power, or is not powering up.	 Cable from power adapter is loose or unplugged. 	 Confirm that all cables are connected correctly. Confirm that the power adapter is securely connected to the back of the unit.
		 Cables are connected but system is not receiving sufficient power. 	 Confirm the system is powered on (LED indicators on front panel should be on) If the DVR is connected through a power bar or surge protector, try bypassing it and connecting power directly from the mains socket to the DVR. Confirm that there is power at the outlet.
•	Remote control is not detected by the system.	 Batteries in the remote control are drained. There are no batteries in the remote control 	Install 2x fresh AAA 1.5V alkaline batteries in the remote control. Ensure correct orientation.
•	HDD is full and the unit is no longer recording	Overwrite mode is not enabled.	• Check configuration in Main Menu \rightarrow System \rightarrow General.
•	Mouse not detected by the system.	• Mouse cable not firmly connected to the system.	• Firmly connect the mouse cable to the USB port on the rear panel of the DVR.
		• Mouse is not connected to the system.	
		System needs to be reset.	 Power off the system (disconnect power cable). Firmly connect a USB mouse to the USB port on the rear panel of the DVR. Reconnect the power cable to the DC 12V port.
•	There is no picture on selected channels / camera picture is not being displayed.	Camera cables are loose or have been disconnected.	 Check the camera video cable and connections. Disconnect and reconnect the cable at both the system and camera ends. Reconnect the camera to another channel or use another cable.
•	A "whirring" noise is coming from the system.	Fan is active.	This is normal – the exhaust fan is working.
•	The system beeps at start up.		This is normal.
•	The system beeps during motion detection.	• Motion detection is enabled and the alarm buzzer is activated.	• Check configuration in <i>Main Menu</i> \rightarrow <i>Setup</i> \rightarrow <i>Alarm</i> .

5.2 Technical specifications

Homeguard DVR

Video Compression:	H.264
Audio Compression:	G.771A
Video Input:	4/8 channel (BNC)
Video Output:	1 channel (BNC), VGA, HDMI
Audio Input:	4 channel (RCA)
Audio Output:	1 channel (RCA)
Resolution:	PAL: CIF 352 x 288, D1 704 x 576 NTSC: CIF 352 x 240, D1 704 x 480
Video Frame Rate:	PAL: 25fps NTSC: 30fps
VGA Interface:	1 channel (D-Sub)
VGA Resolution Support:	1024 x 768, 1280 x 1024, 1280 x 720, 1440 x 900, 1920 x 1080
HDMI Resolution Support:	1024 x 768, 1280 x 1024, 1280 x 720, 1440 x 900, 1920 x 1080
Network:	Ethernet (10/100Mbps)
Monitoring Methods:	Internet, mobile phone, e-mail
Control:	Mouse, remote control, DVR front panel
Backup:	USB and Network
HDD:	1 bay, up to 2TB
Security Feature:	Password protection, multiple user accounts
Power Supply:	DC 12V input
Operating Temperature:	-10 to 55°C approx
Humidity:	10% to 90%
Device Dimensions:	320 x 215 x 45mm (W x D x H)
Weight:	ТВС



5.3 Warranty and Technical support

If you are experiencing difficulties with your product, or have questions which are not answered in this instruction manual, our dedicated support site offers a wide range of clearly written FAQs, manuals and user guides which are designed to help you get the most from your purchase.



Visit our dedicated support site at storageoptions.com/support for FAQs, manuals and user guides

If you are unable to find an answer online, still experiencing issues or suspect your product to be faulty, our UK based customer service team is available to offer full support, and can be contacted via the support pages of our website.



Submit a service request online if you cannot find an answer to your problem



A member of our **UK based support team** will review your case and offer the highest level of advice and support

Please contact us directly through our support site if you have any queries or concerns.

6 Notes



Quick mobile access guide

Once the DVR has been installed, you can view the video feeds remotely on your mobile by performing the steps below:

6.1 On the DVR

From the main menu, select **SETUP** then **NETWORK**, then open the **P2P Tab.**



6.2 On your mobile

Download the IMSeye app

In Device List, select Add Device

Select **P2P** as the connection type, then tap the **QR Code** icon and scan the code found on the DVR's menu. This will fill in the required fields automatically.

Select the Number of channels you DVR supports.

Select OK

From the device list, you can now select your DVR and which channel to view.







This method is based on the general default settings which apply to the majority of routers on the market today. If this method is unsuccessful, please refer chapter 3.4.1.3 for more information.





For the latest, up-to-date manual, please visit **storageoptions.com**