Swann

A — Package Contents

Packaging

DVR Unit

Software CD

BNC to RCA Cable

Ethernet Cable

Remote Control

Manual

8/16 BNC Adapters

USB Cable

Security Stickers

DVR Power Cable

B — DVR & Camera Connections

1 Connect your cameras to the BNC connectors on the back of the DVR labelled 'VIDEO IN'

Optional

BNC to RCA Cable

2 Connect the Yellow RCA plug to a TV's INPUT and connect the BNC end to the Video Output on DVR

4 Connect a VGA cable (not included) from your monitor to the VGA port on the back of the DVR

Optional

Ethernet Cable

Optional

DVR Power Cable

5 Connect the Power Cable to the back of the DVR. Flip the switch to power DVR

3 Connect one end of the Ethernet cable to the LAN port on the DVR and the other end to your router/modem

C — USB Connections

Connect the USB Cable to a PC for backup features and connect a USB Mouse* for point and click menu controls

*Mouse not included
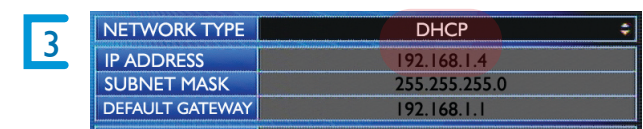
D   Remote Viewing Setup Guide

This is a general setup guide for preparing the DVR for viewing over an internet connection. This guide assumes you have a computer, connected to a DHCP enabled router/modem that is connected to the internet. If the general router settings below differ from yours, contact your router manufacturer or visit www.portforward.com for more specific information on settings

1
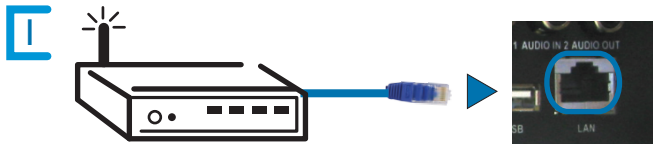
Connect the Ethernet Cable from the back of your Router/Modem into the **LAN** port on the back of the DVR

2

Press the **MENU** button and select **Network & Internet**

Select **Network Connection**

3

NETWORK TYPE	DHCP
IP ADDRESS	192.168.1.4
SUBNET MASK	255.255.255.0
DEFAULT GATEWAY	192.168.1.1

Set the **Network Type** to **DHCP**. The DVR will automatically detect your network settings. Write down the **IP Address** given to your DVR. If you are accessing the DVR on a local network only, enter the **IP Address** in Internet Explorer to access the DVR. To view over the internet continue to 4.
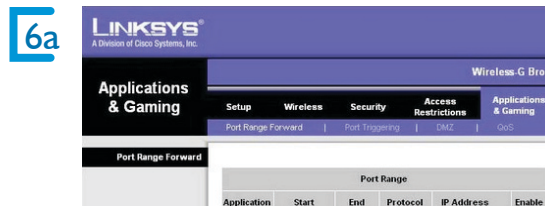
Port Forwarding

4

WEB SERVICE PORT   80

Back in the **Network & Internet** menu click the second option to find the Web Service Port. By default, this is set to 80

5

Address   http://192.168.1.1
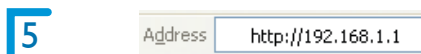
Log into your router by typing the **Default Gateway** in Internet Explorer. In our example this is http://192.168.1.1 another common gateway is http://10.1.1.1

NOTE: If you are unfamiliar with networking we recommend you contact your modem manufacturer or internet provider as modem options and features vary by model. The following are general steps common to some modem/routers

6a

For some Linksys modem/routers you will find Port Forwarding options in "Applications & Gaming" under **Port Range Forward**

6b

		Port Range			
Application	Start	End	Protocol	IP Address	Enable
DVR1	80	to 80	Both	192.168.1.4	☑
		to	Both	192.168.1.	☑
		to	Both	192.168.1.	☑
		to	Both	192.168.1.	☑

Next, forward the **Web Service Port** (default port 80) to the **IP Address** found in step 3. In **Port Range** create an entry called **DVR1**. Set **Start** and **End** to **80** and set the **IP Address** to the same address you found in step 3. Ensure **Enable** is checked and then save settings

6a
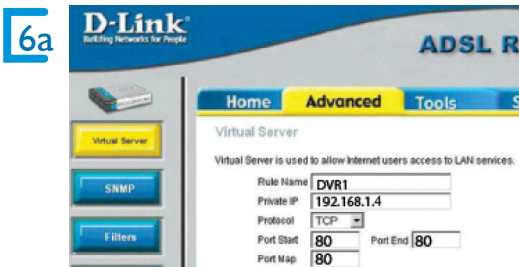
For some D-Link routers, port forwarding can be found under **Advanced** > **Virtual Server** - Create a **Rule Name** called **DVR1** Set the **Private IP** to the IP Address in step 3 Set **Port Start, End, Map** to **80**. Save the rule and apply it to the **IP Address** of the DVR, i.e. 192.168.1.4 in our example

7   **Your IP Address Is ***.***.***.*****

To login remotely you will need to find your **Internet IP** address. You can find this at **www.whatismyip.com** It will be different from the IP address or Default Gateway found in step 3

8

Back   Address   http://210.135.27.110

Finally, back in Internet Explorer - type in your Internet IP address and press enter. **Your IP will be different from the above**. Follow the prompts to automatically download and log into the DVR

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