Dynamic CCTVLtd

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Remote Access Setup Guide For MX range

Part 1 (the DVR settings)

Press the **MENU** button on the DVR or **Left Click** on the mouse from the menu select "**Setup**" then select "**Network**".

You should now be presented with this page

| | Setup | | - | × |
|---------|------------------------|-----------------|---------------|--------|
| | Time Definition Action | Schedule Stor | age Network | System |
| | Ethernet DDNS Port | E-Mail Bandwidt | th Callback | |
| Fig1 | | | | |
| <u></u> | 1. IP Address | 192,168,1,52 | 192,168,1,22 | |
| | 2. Subnet Mask | 255,255,255,0 | 255,255,255,0 | Fig2 |
| | 3. Default Gateway | 192,168,1,254 | 192,168,1,254 | |
| | ☑ DNS | | | |
| | 1. Primary DNS | 192,168,1,1 | 211,117,45,25 | |
| | 2, Secondary DNS | 211,117,45,25 | 168,126,63,1 | |
| | ADSL | | | |
| | 1. User Name | | | |
| | 2. Password | ***** | | |
| | | Reset | Save | Exit |

Place a tick in both the "**DHCP**" and the "**DNS**" as show as Fig1. The DVR will now query your router and the results are displayed in bold white Fig2. Take note of these results and untick "**DHCP**" and "**DNS**" and then manually enter the details into the box Fig3 making one alternation as the "**Primary DNS**" entry needs to identical to your "**Default Gateway**"

Your MX DVR should now be setup for local network access.

You can now check your DVR using internet explorer entering http:// then your IP number in the address bar



Remote Setup

Part 2 Remote setup

Now that your DVR is setup locally you will need to setup your router in order to access the DVR remotely Firstly click on the "**Port**" tab here you see a list of all the ports used by your DVR These can be changed, but by default you will need to forward a range starting at 2000 ending in 2007 you will also need to forward Port 80

| Setup | | | | | | × |
|--------------------------------|---|------------|-------------------|-----------|-----------|--------|
| (S) Time | Definition | Action | Schedul | e Storage | e Network | System |
| Ethernet | DDNS | Port | E-Mail | Bandwidth | Callback | |
| 1, CMS(2, Web 5 3, UPnP | VMS) Port Server Port (Auto Port) | | 2000 80 Off | ~ 2007 | | |
| Web con http:/ | nection exam | ple) 22 | | | | |
| | | | | Reset | Save | Exit |
| | | | | | | |



Testing the setup

Part 3 (setting up your router)

At this stage you will need to log into your router to do this enter its IP address into internet explorers address bar nearly all routers have a web front end and can be set up this way

If you are unsure of your routers IP address (as they vary from make and model) either check your supplied documentation or use the "**Gateway**" IP address from your DVR

NB* if you have a Commercial BT router please follow this guide

http://support.dynamic-cctv.com/shop/PDF/Guides/BT%20ROUTER.pdf

You now need to set up "**port forwarding**" on your router, this basically tells your router to send any traffic from your public IP address to your internal IP address of your DVR. to do this we would suggest visiting **www.portforward.com** this website has easy to follow instructions on setting a multitude of routers. To do this select your router model from the main page, then skip the large advert (FigO1)

| | FinO1 | | | |
|---|--|---|--|--------------|
| PortForward.com - Automatically forward your ports with PFconfig Mozilla Firefo | × 1.901 | | | |
| Ele Edit View History Bookmarks Icols Help | | | | |
| C A M http://portforward.com/english/routers/port_ | /orwarding/2wire/2701HG-T/fpadvert.htm | ☆ | * Soogle | م |
| Sign In X Dynamic CCTV Ltd > Samsung_D | - X PortForward.com - Automa | tically × + | | |
| | | Click h | ere to skip this a | lvertisement |
| Internet Gaming - Network Techs - Hom | e Networks · You Need | 100% Guaranteed or we'll do | 5 b it for you! | |
| Easy Setup of Your Router's | Port Forwards! | Purchase on our secure | server | |
| | | Buy It Now | | |
| simply contact our support department a | nd we'll do it for you. | Purchase via paypa | 1 | |
| Take the frustration out of forwarding yo PFConfig. Any application requiring port in minutes. Just pick your program from I "Update Router" button. | ur router ports with forwarding can be set up the list and press the | Tricono (no 100 100 Ankanono Sectore and | Agakatin Sataya | F |
| PECONFIG FEATURES | | Autoritaria New | Rate CS TCP 27829-27829 USP 1286-27829 | |
| 100% Guaranteed or we'll do it for you! O how to forward your ports. Read more . | ur support department knows | Connend and Conjun Telecological Series Connend and Conjun Telecological Series Connend and Conjun Telecological Series Connend and Conjun Telecological Series | | |
| Configure your router's port forwarding sec Read more | tion automatically. | Context State Context Cond Co Solide Share Proc. 2 Tenned Two App | Nop Update Finates | |
| Increase security by forwarding ports when forwarding when you do not. Read more | n you need them, and prevent | Ferredick Applications Application Name Ferredick 1s 10P 10DP Memory Control Web (SS 100.5551) 14E11744 14E11744 Memory Control Web (SS 100.5551) 14E11744 14E11744 | | |
| Optimize your router's available memory for connections. Read more | faster and more reliable | Failer Sales (Asia) 102.00213 201.00213 201.00213 201.00213 201.00213 201.00213 201.00213 201.00214 | | |
| Easy: Eliminates the hassle of logging in to forwarding setup. Read more > | your router to change your port | | | |
| PortForward.com Support: You won't be s app, we'll help you through any problems. Re | tuck with another worthess ead more | Dahar Advance Advance Advantages 1 (201) 31-102 Mill 0 10 | 6/29/2006 2.47.PM | |
| What PFConfig does not do: PFConfig does requires a supported router. Read more) | s not configure your firewall and | | | |
| Take the Tour: You won't believe how easy | it is to use! Take the tour } | | | |
| | | | | - |
| Done | | | | |

Then select the default guide (FigO2)

| Fle Edt View His C Sign In Router List | pry | | | | |
|--|--|--|--|--|--|
| An is coope: 20 Ctr. Statem Catr. Statem The Fature of the Catr. Statem Catr. Stat | Image: The set of the | | | | |
| CortV systems Installation in London & home counties, Get Fast Ouotation | If you do not held like fouring out how to forward ports manually, we have a single software solution called PFCaneling that can forward your ports for you automatically. We offer complete export for our product and will help you get your ports formands. We have the softward in the high you get your ports formands. We have the softward in the high you get you got the forward our distance goal is to have a write up for every handware notice and ferenal available and instructions for every application that former uses to all distance got and through their mode or ferenal to have a write up for every handware notice and ferenal available and instructions for every application that former uses have all distance got and through their mode or ferenal to have you and using bot fitmwards. These pades are provided to help you, but we exist in no way responsible for the statistic of your entormary through the entor of the state of the states of the state of the states of the state of the states of | | | | |

You should now follow the step by step instructions on how to setup port forwarding on your router **You will need to complete the following**

One port forward starting at 2000 and ending in 2007 and a second port forward entry for the web port 80 Your IP address is the IP address of the DVR,



DDNS

Part 4 DDNS

In some cases were a static IP address is not available you may need to setup Dynamic DNS this is easy with the MX range as it is built in and best of all free!



Simply click on "DDNS" turn Enable "DDNS ON" and enter in a host name in the box Fig1 click "Save" provided your requested hostname has not already been taken you DVR will now be accessible using your new DDNS address

just enter you details into Internet explorers address bar

eg: http://yourhostname.cctvuser.com



Part 5 (testing public IP)

If you have a static IP Number once the router settings are saved you can try and enter the public IP address of your connection If you are unsure of this open up internet explorer and visit **www.whatismyip.com** and take note of your public IP

Useful links

www.portforward.com

www.whatismyip.com

Standard Commercial BT router guide http://support.dynamic-cctv.com/shop/PDF/Guides/BT%20R0UTER.pdf

Standard Thompson Guide (sky-orange-o2) http://portforward.com/english/routers/port_forwarding/Thomson-Alcatel/TG585v7/default.htm

Standard Netgear Guide (Virgin) <u>http://portforward.com/english/routers/port_forwarding/Netgear/DG834N/default.htm</u>