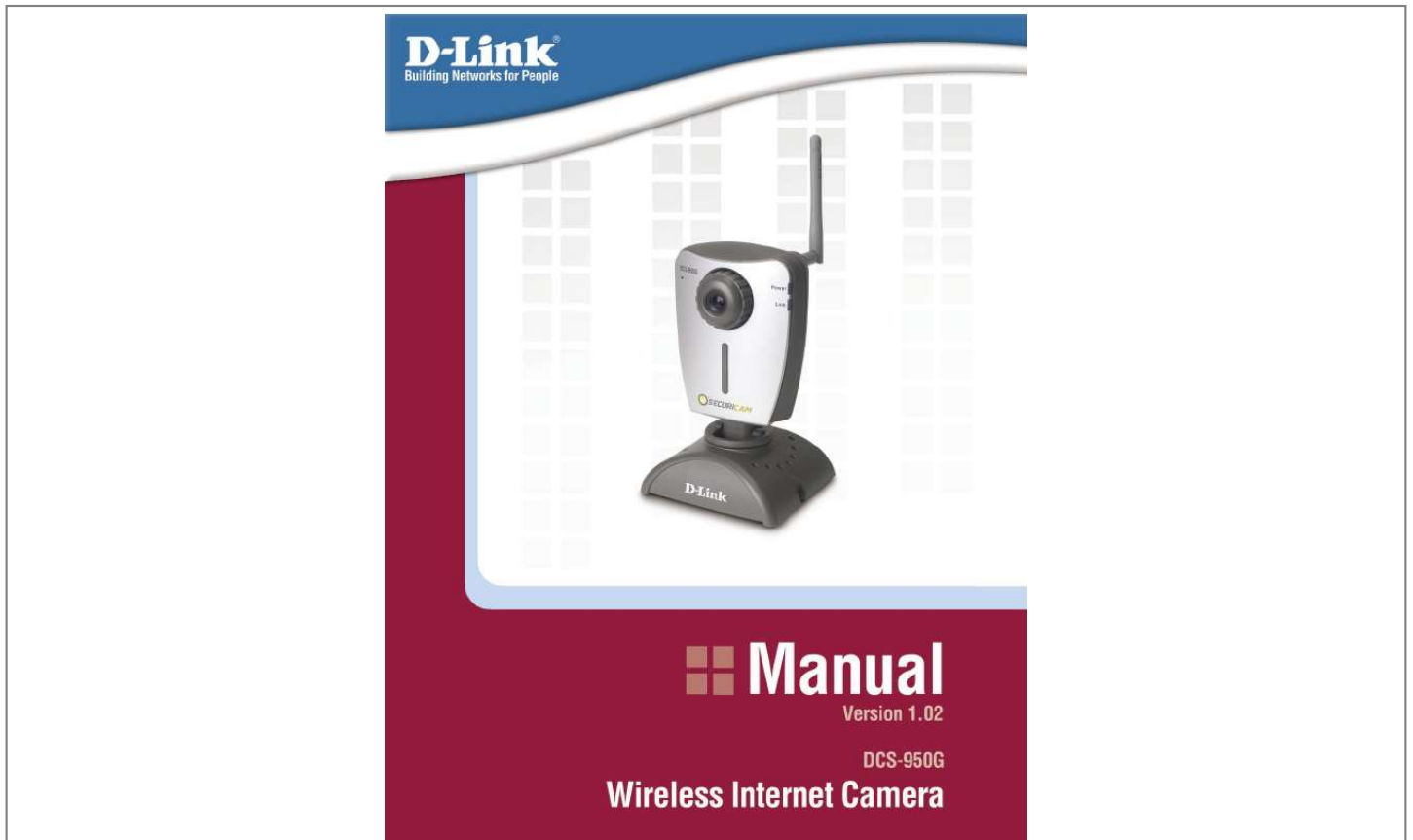




Your PDF Guides

You can read the recommendations in the user guide, the technical guide or the installation guide for D-LINK DCS-950G. You'll find the answers to all your questions on the D-LINK DCS-950G in the user manual (information, specifications, safety advice, size, accessories, etc.). Detailed instructions for use are in the User's Guide.

User manual D-LINK DCS-950G
User guide D-LINK DCS-950G
Operating instructions D-LINK DCS-950G
Instructions for use D-LINK DCS-950G
Instruction manual D-LINK DCS-950G



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<http://yourpdfguides.com/dref/2371949>

Manual abstract:

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11g Wireless Router or Access Point Recommended: PC or Notebook to access the Internet Camera PC with · 1.3GHz Processor · 128MB Memory · Windows® XP/2000/Me · Internet Explorer v6 Multiple Camera Operation Requires Computer with · 2.4GHz Processor · 512MB Memory · 32MB Video Card · Windows® XP/2000/Me · Internet Explorer v6 D-Link Systems, Inc. 5 DCS-950G User's Manual Introduction Introduction Congratulations on your purchase of the DCS-950G Internet Camera! The DCS-950G is a versatile and unique solution for your small office or home. Unlike a PC Camera, the DCS-950G is a stand-alone system with a built-in CPU and Web server that transmits high quality video images for monitoring. The DCS-950G can be accessed remotely, and controlled from any PC/Notebook over the Intranet or Internet via a Web browser. The simple installation procedure and intuitive web-based interface offer easy integration with your Ethernet/Fast Ethernet or 802.11g wireless network. The DCS-950G also comes with remote monitoring capability for a complete and cost-effective home security solution. D-Link Systems, Inc.

6 DCS-950G User's Manual Features and Benefits Features and Benefits Simple to Use: The DCS-950G is a stand-alone system with a built-in CPU, requiring no special hardware or software such as PC frame grabber cards. The DCS-950G supports ActiveX mode for Internet Explorer. All that is required is a computer with Internet Explorer 6.0 or above. Supports a Variety of Platforms: Supporting TCP/IP networking, HTTP, and other Internet related protocols. It can also be integrated easily into other Internet/ Intranet applications because of its standards-based features. Remote Snapshot Images and Recording: Using the Snapshot and recording features, you can save snapshots and record video and audio directly from the Web browser to a local hard drive without installing any software, making it convenient to instantly capture any moment from a remote location. Record Directly to a NAS: The

DCS-950G allows you to record directly to a local network area storage device without the use of a dedicated PC for storing recorded video. Low Light Recording: The DCS-950G's 0.5 lux light sensitivity allows you to capture video in rooms with minimal lighting, making it ideal for use at night time.

802.11g Wireless or Ethernet/Fast Ethernet Support: The DCS-950G offers both 802.11g wireless and Ethernet/Fast Ethernet connectivity, making the DCS950G easy to integrate into your existing network environment. The DCS-950G works with a 10Mbps Ethernet based network or 100Mbps Fast Ethernet based network for traditional wired environments and works with 802.11g routeLED is illuminated. D-Link Systems, Inc. 10 DCS-950G User's Manual Attach the Mounting Bracket Hardware Installation If you would like to mount the camera on a wall, locate the necessary screws and continue with securing the bracket to the wall. To attach the mounting bracket to the Camera, simply attach the Camera's base to the bracket (see illustration below). D-Link Systems, Inc. 11 DCS-950G User's Manual Security Security To ensure the highest security and prevent unauthorized usage of the DCS-950G, the Administrator has the exclusive privilege to authorize all users.

The DCS-950G supports multi-level password protection/access that can be restricted by the Administrator for defined users who have a User Name and User Password. The Administrator can release a public User Name and Password so that when remote users access the DCS-950G they will be allowed to view the images transmitted by the DCS-950G. Note: When the DCS-950G is used for the first time, it is highly recommended that the Administrator set the Admin ID and Admin Password to constrain user access to the DCS-950G since the Default settings for the Admin ID and Admin Password are both "admin." Once the ID and Password are defined, only the Administrator has access to the management of the DCS-950G. This procedure should be done as soon as possible. D-Link Systems, Inc. 12 DCS-950G User's Manual Using the Setup Wizard Using the Setup Wizard Follow the simple steps below to run the Setup Wizard to guide you quickly through the installation process. Insert the D-Link DCS-950G CD into your CD-ROM drive.



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Click Install Software. Click Installation Wizard.

D-Link Systems, Inc. 13 DCS-950G User's Manual Click Next. Using the Setup Wizard Click Yes. D-Link Systems, Inc. 14 DCS-950G User's Manual Click Next. Using the Setup Wizard Click Finish. D-Link Systems, Inc. 15 DCS-950G User's Manual Using the Setup Wizard Now you should install ffmpeg, this will install the proper codec that will allow you to playback recorded video taken by the DCS-950G. Select a language and click OK. Click Next.

D-Link Systems, Inc. 16 DCS-950G User's Manual Click I Agree. Using the Setup Wizard Click Next. D-Link Systems, Inc. 17 DCS-950G User's Manual Click Install. Using the Setup Wizard Click Next. D-Link Systems, Inc. 18 DCS-950G User's Manual Click Finish. Using the Setup Wizard Before using ffmpeg, you must configure its properties. From your computer, please click on Start->Programs->ffmpeg->Configuration.

D-Link Systems, Inc. 19 DCS-950G User's Manual Using the Setup Wizard At the ffmpeg properties window, scroll to the bottom and click Miscellaneous. Be sure that Autodetect is checked and that Error resilience and Error concealment are set to "none". Click OK and close the window. To run the Setup Wizard, click on Start->Programs->DCS-950 Series Setup Wizard.

Your camera's default IP Address will be displayed on the screen. Click Wizard to begin. D-Link Systems, Inc. 20 DCS-950G User's Manual Using the Setup Wizard By default, the Admin ID and Password are "admin" (lower case). Enter this in both fields.

To change the Admin Password, select the Change box and enter a New Password. Click Next. The IP Address, Subnet Mask of your camera, Gateway, and DNS addresses must correspond with your network settings for you to access the camera. If you are unsure of what these settings should be, please check with your network administrator. Click Next. D-Link Systems, Inc. 21 DCS-950G User's Manual Using the Setup Wizard The Connection Mode depends on how your camera is connected to your network. Click Infrastructure for use with a router or Adhoc for a peer-to-peer connection. The Network Name, Wireless Channel, Security Mode, and Authentication type MUST correspond with your wireless network settings for the camera to work. Click Next.

Enter the Encryption Mode, Key Format, and Encryption Keys for your wireless network. Click Next. D-Link Systems, Inc. 22 DCS-950G User's Manual Using the Setup Wizard If you need to make any changes, click Back to modify your camera settings. Otherwise, click Restart to save and apply your settings. This may take a few minutes Your setup is now complete! Wait until the Link LED on the camera begins to flash. Click Link to launch your Web browser and view your images. D-Link Systems, Inc. 23 DCS-950G User's Manual Your camera is now displayed in the Web browser. Using the Setup Wizard D-Link Systems, Inc.

24 DCS-950G User's Manual Using the Configuration Menu Using the Configuration Menu After completing the Setup Wizard, you are ready to use your camera. The Web configuration utility is designed to easily access and configure your DCS-950G. Clicking the "Link" button will open up the main configuration page. If you would like to open the configuration page from a Web Browser, enter the IP address that you assigned to your DCS-950G. Home Screen When you click on "Link", the DCS-950G Home screen will appear.

Use the following displayed options to set up and view your Internet Camera: Wizard Setup Audio On Upside Down Mirrored Snap Shot Log Out D-Link Systems, Inc. 25 DCS-950G User's Manual Using the Configuration Menu Home Screen Wizard: This page is used to set up the DCS-950G using the Wizard to walk you through setting up the camera for your network. This will allow you to change the configuration settings of the DCS-950G. This will turn on the built-in microphone on the DCS-950G . By default the audio is turned off.

This will flip the image vertically. This feature can be used if you choose to mount the DCS-950G upside down on the ceiling. This will flip the image horizontally in such a way that your left side will be on the left side of the screen and vice versa. Click to capture a snapshot image. The image will pop up in a new window. This image can be saved to a local hard drive. 26 Setup: Audio On: Upside Down: Mirrored: Snapshot: D-Link Systems, Inc. DCS-950G User's Manual Logout: Using the Configuration Menu Click to log out of the DCS-950G. If you would like to view or configure the camera, you will must log in again. Select this if the camera is operating under low light conditions.

In this setting the DCS-950G will be able to view at 0.5 Lux. There are 5 settings each for more brightness and less brightness from 0. After selecting your setting, please wait a few seconds for the camera to adjust accordingly. The DCS-950G will be able to detect simultaneous users connected to it and indicate the amount with a digital readout next to the green icon on the video window. The DCS-950G is able to record video from the Web Browser into a local hard drive of the PC that is viewing it. This path can be specified (for example, c:\dcs950G\myrecording). Clicking this button will start recording video and audio immediately to the file path specified above. Nightshot: Brightness: On-line User Icon: File Path: Start Video Recording: D-Link Systems, Inc. 27 DCS-950G User's Manual Using the Configuration Menu Configuration Click on Setup from the Home screen to access the settings required for the DCS950G.

There will be several options in the Configuration page to choose from to setup your DCS-950G and they are as follows: Advanced Video User LAN PPPoE DDNS Wireless Site Survey Tools Admin Time System Firmware Recording Trigger Status Device Info Help D-Link Systems, Inc. 28 DCS-950G User's Manual Using the Configuration Menu Advanced The Advanced tab provides the following configuration options: Video, User, LAN, PPPoE, DDNS, Wireless, and Site Survey. Video Advanced > Video Default Level Quality: Select the viewing video quality. By default the quality is set to High. This is the size of the video display.

By default the capture resolution is set to VGA (640x480). Capture Resolution: Custom Level Capture Resolution: This is the size of the video display. By default the capture resolution is set to VGA (640x480). D-Link Systems, Inc. 29 DCS-950G User's Manual MPEG Sequence Mode: Using the Configuration Menu I-frame and P-frame mode and I-frame and BP-frames are selectable.

This determines how many repeated P frames will appear after one I frame. A large "Key frame interval" can reduce the bit rate, but can cause image to be corrupted longer if there is packet loss while transmitting.



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The video quality may be poor due to the sending of maximum frame rate within the limited bandwidth when images are moving rapidly. Consequently, to ensure detailed video quality (quantization rate) regardless of the network, it will utilize more bandwidth to send the maximum frames when images change drastically. This is the refresh frame rate. By default the frame rate is set to 15 frames per second (fps). The higher the bit-rate the better the picture quality, but at the same time the file size will also be larger. For low bandwidth network a lower bit rate than 352k is advised. The camera name will display as the title of the window within the Windows operating system. This name will also appear on the log-in screen (once a password has been set).
Frame Rate: Bit Rate: Camera Name: D-Link Systems, Inc.

30 DCS-950G User's Manual Using the Configuration Menu User Advanced > User User Name: Enter the user name in this field. A maximum of 32 user names are allowed, however each user name must be different. Each user name can be used as a group. For example, if the Username is Guest and the User Password is Guest, anyone can access the DCS-950G using this information. The maximum length for the User Name is 16 characters (Printable ASCII). Enter the user's password you want to assign to the specific Username. The maximum password length is 16 characters (Printable ASCII). The User List displays all the user names that have access to the DCS-950G. To delete a user, click on the corresponding trash can icon.
Password: User List: D-Link Systems, Inc.

31 DCS-950G User's Manual Using the Configuration Menu LAN Advanced > LAN LAN Settings: If you are using a LAN connection, select either Static IP or DHCP Client. If manually assigning a Static IP, enter your IP Address, IP Subnet Mask, Gateway IP Address, and DNS into the fields provided. D-Link Systems, Inc. 32 DCS-950G User's Manual Using the Configuration Menu PPPoE Advanced > PPPoE PPPoE: If you are using a PPPoE connection, click the Yes button and enter the User Name and Password for your PPPoE account. D-Link Systems, Inc.

33 DCS-950G User's Manual Using the Configuration Menu DDNS Advanced > DDNS DDNS: Dynamic DNS (Domain Name Service) is a method of keeping a domain name linked to a changing (dynamic) IP address. With most Cable and DSL connections, you are assigned a dynamic IP address and that address is used only for the duration of that specific connection. With the DCS-950G, you can set up your DDNS service and the DCS-950G will automatically update your DDNS server every time it receives a different IP address. Depending on the service, this update may take a few hours. If you are using a DDNS connection, click the Yes button and enter in your User Name, Password, and Domain Name.

D-Link Systems, Inc. 34 DCS-950G User's Manual Using the Configuration Menu Wireless Advanced > Wireless Wireless: Connection Mode: Click to enable or disable your wireless settings. Select one of the two options: Infrastructure - connecting the WLAN using an Access Point such as the DWL-2100AP or a DI-624 wireless router. (The default setting.) Ad-Hoc wireless mode used when connecting directly to a computer equipped with a wireless adapter in a peer-to-peer environment. SSID: (Service Set Identifier) is a name that identifies a wireless network. Access Points and wireless clients attempting to connect to a specific WLAN (Wireless Local Area Network) must use the same SSID. The default setting is NULL. 35 D-Link Systems, Inc. DCS-950G User's Manual Channel: Using the Configuration Menu The default wireless channel setting is channel 6.

Select the channel that is the same as the other wireless devices on your network. Select between None, WEP, or WPA_PSK. None means that no encryption will be set on the DCS-950G. WEP (Wired Equivalent Privacy) will set encryption from 64 to 128 bits. If the security mode is set to WPA-PSK (Wi-Fi Protected Access with preshared key), the pre-shared key field must be filled. Choose between Open or Shared Authentication. Open Authentication communicates the key across the network. Shared Authentication allows communication only with other devices with identical WEP settings. In WEP mode, you can select between 64-bit, 128-bit, and TKIP mode. Both PSK and TKIP (Temporal Key Integrity Protocol) will support up to 256-bit encryption. Select an ASCII or hexadecimal key format. Select the key to use as the default. You can create up to 4 different security keys. If encryption is enabled on the router or access point on your network, the camera must share the same encryption key to access the device. Security Mode: Authentication: Encryption Mode: Key Format: Default Key: Key 1-4: Pre-Shared Key: D-Link Systems, Inc.

36 DCS-950G User's Manual Using the Configuration Menu Site Survey Advanced > Site Survey Site Survey: This page will allow you to display all the wireless networks detected by the DCS-950G. You can select a network to connect to and refresh the list of available networks. You must enable your wireless settings in order to activate the Site Survey feature. D-Link Systems, Inc. 37 DCS-950G User's Manual Using the Configuration Menu Tools The Tools tab provides the following configuration options: Admin, System, Default, Firmware, Recording, Trigger, Motion Detection, and Port.

Admin Tools > Admin User Name: Password: New Password: Enter the administrator user name (admin). Enter the current password. Enter the new administrator password with a maximum length of 8 (printable ASCII) characters. Confirm the new password by entering it again. Confirm Password: D-Link Systems, Inc. 38 DCS-950G User's Manual Using the Configuration Menu System Tools > System Time: Date: Default NTP Server: The current camera time. The current camera date. Enter the IP address or domain name of the time server. Leaving the box blank will connect the camera to default time servers. This is optional.

Press Set Time to set the time to the NTP server. Synchronize the date and time of the camera with the local computer. Press Set Time to update the camera time with the PC's time. Manually set the time by selecting the Year, Month, Day, Hour, Minute, and Second. Used to adjust the hour of time servers for local settings. Used to adjust for Daylight Saving Time if applicable in your region. 39 Synchronize with computer time: Set the Time: Time Zone: Daylight Saving Time: D-Link Systems, Inc. DCS-950G User's Manual Using the Configuration Menu Default Tools > Default Restart: Default: Click the Restart button to restart the camera system. Click the Restore button to restore factory default settings. This means that any changes made will be lost and the system will be reset to the initial status when shipped from the factory.



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D-Link Systems, Inc. 40 DCS-950G User's Manual Using the Configuration Menu Firmware Tools > Firmware You can upgrade the firmware by using this tool. First, check the D-Link support site for firmware updates at <http://support.dlink.com>.

Make sure that the firmware you want to use is saved on the local hard drive of your computer. Click on Browse to search the local hard drive for the firmware that you downloaded from the D-Link Website to be used for the update. Upgrading the firmware will not change any of your system settings but it is recommended that you save your system settings before doing a firmware upgrade. Browse: After you have downloaded the new firmware, click Browse to locate the firmware update on your hard drive. Click Apply to complete the firmware upgrade.

D-Link Systems, Inc. 41 DCS-950G User's Manual Using the Configuration Menu Recording Tools > Recording Upload Image to Network Share Folder:

Login Method: Clicking on the box will enable uploading of images to your network storage device. Select either Anonymous or Account. By selecting Anonymous, no user name or password is required. If you select Account from the drop down menu, you will need to know the Username and Password to access the shared folder. Enter the user name required to access the storage device. Enter the password required to access the storage device. Enter the path that points to the shared folder i.e. \\DNS-G12\share.

Select to record all the time. Select to record according to a schedule. Allows you to only save files in which movement is detected. After the set Save Time, only one frame will be recorded when no movement is detected. Click Skip Empty File if you do not want to save the single frame files when no motion is 42 User Name: Password: Path: Always: Schedule: Smart Recording: D-Link Systems, Inc. DCS-950G User's Manual Using the Configuration Menu Trigger Tools > Trigger SMTP Login Name: The user name used to log into your e-mail account (e.g. jdoe or jdoe@yourisp.com depending on your ISP). The password used to log into your e-mail account.

(The password will appear as dots instead of entered characters.) The domain name or IP address of external mail server. The return e-mail address to use if the snapshot or system log e-mail fails to send. (This address should be within the SMTP server's domain for authentication purposes.) The e-mail address of recipients for snapshots or a system log file.

This is the port number for your SMTP server, the default is 25. If you use ports other than 25 you can change it here. 43 SMTP Password: SMTP (Mail) Server: Return E-mail address: Recipient E-mail address: SMTP Port: D-Link Systems, Inc. DCS-950G User's Manual Motion Detection Skip Time: Using the Configuration Menu Increasing the time set here will avoid false alarms. This option allows you to set the amount of time between motion detection events before the next recording will start.

Motion Detection Tools > Motion Detection Motion: Sensitivity: Click on the Motion button to enable motion detection. Sets the measurable difference between two sequential images that would indicate motion. Sets the amount of motion in the window being monitored that is required to initiate a motion detected alert. If this is set to 100%, motion is detected within the whole window to trigger a snapshot. Note: Setting a higher sensitivity and a lower percentage makes any motion more easily detected. Click to open the corresponding motion window. To assign a name to the window, enter the desired name in the entry field next to the zone button. 44 Percentage: Zone 1-3: D-Link Systems, Inc. DCS-950G User's Manual Save: Open MSD: Using the Configuration Menu Saves the related settings of that window. Click to open the Motion Screen Display.

The MSD window allows you to monitor the amount of motion detected in each motion window. The graphic bars will increase or decrease depending on the image variation. A blue bar means the image variation is under the monitoring level, and no motion detection alert is triggered. A red bar means the image variation is over the monitoring level and a motion detected alert is triggered. Port Tools > Port Web Port: This is the port that allows the user to connect to the camera's user interface. By default the port is set to 80. You may change the port number if using multiple cameras. 45 D-Link Systems, Inc. DCS-950G User's Manual Using the Configuration Menu Note: You MUST also set up your router/gateway for Port Mapping; this will enable remote viewing of your camera via the Internet. Please refer to your router's instruction manual on how to open up ports.

For additional help on configuring your camera to work with your router, please refer to the next section on setting up your camera for use with a router. For installing multiple cameras, ONE port per camera must be opened on your router, the Web server (HTTP) port. AV Control Port: This is the port that allows the user to connect to synchronize the camera's audio and video. By default the port is set to 5000. You may change the port number if using multiple cameras.

This is the port used to stream video. By default the port is set to 5001. You may change the port number if using multiple cameras. AV Streaming Port: Status The Status tab provides the following configuration option: Device Info. Device Info Status > Device Info D-Link Systems, Inc.

46 DCS-950G User's Manual Using the Configuration Menu The Device Info screen lists the following important settings that are currently set for the DCS-950G. IP Address IP Subnet Mask Gateway IP Address SSID Wireless IP Address Channel PPPoE Server Name Firmware Version On-Line User Numbers Help Click on the Help tab to access descriptions of the particular function you need help with. The help screen is organized in the order of the tabs and then each menu item under that tab. Help D-Link Systems, Inc. 47 DCS-950G User's Manual Installing the DCS-950G Behind a Router Installing the DCS-950G Behind a Router Single Camera Installation If you are installing a single camera on your network the installation is an easy 4step procedure: 1) Identify Your Camera on the Network 2) Assign a Local IP Address for Your Camera 3) Determine Your Router's WAN IP Address (Enable Remote Viewing) 4) Open Virtual Server Ports for Your Router (Enable Remote Viewing) Multiple Camera Installation If you are installing multiple cameras on your network, the installation is an easy 5-step procedure: 1) Identify Your Camera on the Network 2) Assign a Local IP Address for Your Camera 3) Open a Second Port on the Camera 4) Determine Your Router's WAN IP Address (Enable Remote Viewing) 5) Open Virtual Server Ports for Your Router (Enable Remote Viewing) D-Link Systems, Inc. 48 DCS-950G User's Manual Installing the DCS-950G Behind a Router 1) Identify Your Camera on the Network Once you are logged into the camera via a Web browser on your network PC, click on the Advanced Tab, and select Video.



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Enter a unique Camera Name. These settings are important if you are installing several cameras on your network. 2) Assign a Local IP Address for Your Camera A Local IP Address is required to configure your camera and to view your camera within your local (home) network. You may use the default camera IP Address of 192.

168.0.20. If you wish to use a different IP Address, be sure that the camera settings correspond to your network settings. The Default Gateway will be the IP Address of your router's Local IP Address (i.e.192.168.0.1 if you are using a D-Link router) D-Link Systems, Inc.

49 DCS-950G User's Manual Installing the DCS-950G Behind a Router Assigning and Opening the HTTP Port on the DCS-950G (For Installing Multiple Cameras) Opening ports will allow users to view the camera via the Internet. The ports that are opened must be unique for each camera in order to successfully view the images remotely. 3) Open the HTTP Port The HTTP Port option is used when multiple cameras are being installed behind a single public IP address and will be accessed remotely OR for using a port other than the default port for image viewing. For each additional camera that is installed, you must assign the appropriate Web server port for each camera to enable remote viewing. By default, port 80 (Web server port) is open. If these ports are available for use, you DO NOT have to open a second port and can proceed to the next section. If port 80 is not available (for example, if you are already using port 80 to run a Web server or your ISP blocks access on port 80*) you MUST open a second port and designate a new Web server port (800, 801, 802,...etc) and new AV Control and Streaming ports (5002, 5003,.

..etc). IMPORTANT: Be sure to take note of these settings since these same settings will be used to configure your router. *IMPORTANT NOTE: Some ISPs block traffic on commonly used ports like port 80 to disallow consumers from putting a server on their network. Be sure to check with your ISP so that you can open the appropriate ports accordingly. If your ISP does not pass traffic on port 80, you will need to change the Web server port the camera uses from 80 to something else, like 800. If you are behind a residential gateway, you will need to open a corresponding port on your gateway as well. Not all gateways are the same, please refer to your gateway's user's manual for specific instructions on how to forward ports. D-Link Systems, Inc.

50 DCS-950G User's Manual Installing the DCS-950G Behind a Router Router Setup and Installation The following steps generally apply to any router that you have on your network. The D-Link DI-624 is used as an example to clarify the configuration process. Your WAN Ip Address information will be listed on following window. Determine Your Router's WAN IP Address Note: Because a dynamic WAN IP address can change from time to time depending on your ISP, you may want to obtain a Static IP address from your ISP. A Static IP address is a fixed IP address that will not change over time and will be more convenient for you to use to access your camera from a remote location. You can use DDNS to obtain an IP address, please refer to page 34 for more information. D-Link Systems, Inc. 51 DCS-950G User's Manual Installing the DCS-950G Behind a Router Assigning and Opening Virtual Server Ports 4) Open Virtual Server Ports To Enable Remote Image Viewing The Virtual Server Ports of your router must be opened for remote access to your camera. This is also referred to as port forwarding. Please proceed as follows: -Select Enabled to enable virtual server settings.

-Select a camera name. @@-Select TCP under Protocol Type. @@@@-Click Apply to save your settings. @@for Web server. The AV Control Port and AV Streaming Port also need to be opened.

These ports are 5000 and 5001. @@@@(Ex. http://205.163.122.

96:83). @@192.168.0.35). @@@@Insert the CD-ROM into the CD-ROM drive. A menu screen will appear as shown on below.

@@The Options dialog box will appear (see below). Enter a User Name and enter the Password twice. @@An Add Camera dialog box will appear.

@@If the IP Address is entered incorrectly or if you have a bad network connection, a dialog box will appear to notify you of the error. To add cameras in IPView Lite, check that you have your network configured correctly. To add a remote camera, you need to have Internet access. If you are unsure of the IP Address of the camera, you can click on Browse to search for cameras on your local area network. The Browse Camera dialog box will appear with a blank screen. (See below.) Note: Only cameras on your local area network can be located using Browse in IPView Lite. If you want to add a camera via the Internet, you must enter in a physical IP Address. Remember that if your camera is behind a router, you will need to enter your router's WAN IP followed by a colon, then the port number that is assigned to your camera, i.e.

68.2.34.156:800, where 68.2.

34.156 is your router's WAN IP and :800 is the port that your camera is using. For more detailed information, please refer to the section titled "Installing the DCS-950G Behind a Router Configuration" on page 48. D-Link Systems, Inc. 60 DCS-950G User's Manual IPView Lite Click on Search.

IPView Lite will detect and search for all the available cameras that are installed on the local area network. Highlight the camera you wish to add and click on Add. The Add Camera dialog box will appear once again with the IP Address entered. Click on Add. The camera will automatically be added into the IPView Lite list view. Alternatively, you can double-click on the camera you wish to add and the Add Camera dialog box will appear once again with the IP Address entered. Click on Add, and the camera will automatically be added into the IPView Lite list view. 192.168.0.

20 If the Login Camera dialog box appears, make sure to enter the correct Username and Password. Click OK. The camera will be added into IPView Lite, in list format. If the Username and Password are entered incorrectly, the camera will not be added into IPView Lite. The Login Camera dialog box will appear regardless of password settings on the camera. If you have not created a password yet, leave both fields blank and press enter. D-Link Systems, Inc. 61 DCS-950G User's Manual IPView Lite How to Delete a Camera To delete a camera you must highlight the camera you wish to delete from the IPView Lite list view format. From the menu bar select Camera > Delete. A Delete Camera dialog box will appear.

Click Yes to delete the camera, or click No if you do not wish to delete the camera. List view Click Yes. D-Link Systems, Inc. 62 DCS-950G User's Manual IPView Lite How to Change the IP Address To change an IP Address for a camera, select Camera > Add. An Add Camera dialog box will appear (see below). Click on Browse.



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The Browse Camera dialog box will appear with a blank screen (see below). Click Search. IPView Lite will detect and search for all available cameras installed on the local area network (example below.) D-Link Systems, Inc.

63 DCS-950G User's Manual IPView Lite Highlight the camera you wish to change and click Change IP. If you have already changed the administrator user ID and password, you will be prompted to enter your admin ID and password before IPView Lite will allow you to change the IP Address for the DCS-950G. Enter the new IP Address, the Subnet Mask, and the Default gateway into the respective fields and click OK. IPView Lite will apply the new IP Address to the camera. How to Format the Camera View From the menu bar select View > 4 Cameras. (See below.) D-Link Systems, Inc. 64 DCS-950G User's Manual IPView Lite The icon on the upper left corner of the screen will appear with the camera number that is being displayed. To return to the IPView Lite list view, click on the icon located on the upper left corner of the screen and a case sensitive menu will appear. Select List and the viewing image will return to the list view format.

A maximum of 4 cameras can be viewed simultaneously with IPView Lite. How to Rotate the Video View In View Mode format, click on the icon located on the upper left corner of the screen and a pop-up menu will appear. Once you click Rotate Right or Rotate Left in the menu, the video will rotate 90 degrees to the right or left. D-Link Systems, Inc. 65 DCS-950G User's Manual IPView Lite How to take a Snap-Shot with the Camera To take a snap shot with the camera, you must highlight the camera you wish to use from the IPView Lite list view format. From the menu bar select Camera > Snap shot. A Save Image dialog box will appear for you to save the snap shot picture. Alternatively, select from the viewing mode either 1 or 4 cameras. Click on the icon located on the upper left corner of the screen. A case sensitive menu will appear.

Select the Snap shot icon. A Save Image dialog box will appear for you to save the snap shot picture. How to Start Recording To start recording with a camera you must highlight the camera you want to use from the list view format. From the menu bar select Camera > Start. An AVI file will appear in your IPView Lite folder to save the recorded videos.

Alternatively, in the viewing mode (using either 1 or 4 cameras), right-click on the icon located on the upper left corner of the screen. A case sensitive menu will appear. Select the Start icon. An AVI file will appear in your IPView Lite folder to save the recorded videos. Note: You must stop recording before changing any camera settings.

How to Stop Recording To stop recording with a camera, you must highlight the camera you wish to stop from the list view format. From the menu bar select Camera > Stop. The recording function will be stopped. The other alternative is to click the icon located on the upper left corner of the screen under the viewing mode of either 1 or 4 cameras; a case-sensitive menu will appear. Select Stop. The recording will now cease. D-Link Systems, Inc. 66 DCS-950G User's Manual IPView Lite Camera Property Settings Once you have completed the initial configuration of the DCS-950G using the Webbased interface, you can review or change your configuration using either the Web-based configuration utility or the Property Settings in the DCS-950G IPView Lite. To access the Property Settings menu, select Camera > Property from the main menu or double-click on the camera link from within the list view. The Camera Property box will appear which allows for Web Configuration settings and upgrading firmware.

Select the desired options from the tab selections to configure the camera. General Click the Web config button on the General tab to launch the Web configuration menu in a Web browser. D-Link Systems, Inc. 67 DCS-950G User's Manual IPView Lite Recording The Recording tab provides options for manual recording, schedule recording, or motion trigger recording. Manual Recording If the Manual Recording option is chosen, you must manually start recording in the List view of the DCS-950G in the Menu Bar or by clicking on the Record Icon. D-Link Systems, Inc. 68 DCS-950G User's Manual IPView Lite Scheduled Recording Select Schedule Recording to record based on specific times and dates. Click Schedule Setting to set the time and date for recording your files. Select By Date and enter in the dates, Start, and Stop Times. The camera will start to record according to the specified date and time period entered.

Select By Weekday to indicate specific days to record and the time period. D-Link Systems, Inc. 69 DCS-950G User's Manual IPView Lite Motion Trigger Recording Checking Motion Trigger Recording enables the DCS-950G to record based on motion. When this option is selected and the camera detects motion within the range of the viewing window, recording will be triggered. Recording will continue until no motion is detected.

Click on Sensitivity Setting to set the sensitivity levels for the DCS-950G. D-Link Systems, Inc. 70 DCS-950G User's Manual IPView Lite Menu Bar The menu bar makes it easier to navigate IPView Lite. All Management functions can be accessed from the menu bar. File New : Opens a new camera list. Cameras must then be added to the list for configuration. Opens saved camera lists. Saves your current list of cameras and configurations. Exits the IPView Lite Application. 71 Open: Save/Save As: Exit: D-Link Systems, Inc. DCS-950G User's Manual IPView Lite View View on the menu bar provides users with management capabilities for Columns, List, Camera and Refresh. You can view the Camera in 1 Camera or 4 Camera mode. The View menu bar is pictured below. Columns When Columns is launched, a dialog box will appear displaying the Column Settings. Select the columns that you wish to appear in the List View as illustrated below.

D-Link Systems, Inc. 72 DCS-950G User's Manual IPView Lite List View You can view the format in List view. The List viewing format allows easy management and control of each camera. All the cameras and their properties, such as the camera name, IP Address, user name, and location, will be displayed in the list view. Note: Right click on any camera to bring up a menu of actions you can apply to the selected camera. Double-clicking on the desired camera will bring up the Property dialog box. You can click the Refresh icon to update the camera list view. D-Link Systems, Inc. 73 DCS-950G User's Manual IPView Lite Camera Camera on the menu bar provides options to manage the camera. Add up to 4 additional Cameras for viewing. The Camera menu also allows you to Delete a camera, manage the Property, Enable real-time video capture, or take a Snap shot image.



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Enable Function By default, the video image is enabled. There will be a check next to the Enable command to show that the Enable function is working. To disable the real-time image select Camera > Enable and the real-time video image will stop and shutdown. Tools Tools on the menu bar allows you to change account information and system configuration.

From the menu bar, select Tools > Options. D-Link Systems, Inc. 74 DCS-950G User's Manual IPView Lite Account The account menu is for administrators to change user name and password. . System Configuration This menu allows you to set overwrite options to overwrite old recorded files with new recorded files.

Check the Load Last Configuration When Program Starts to load all your configured settings each time you run IPView Lite. It is highly recommended that you select this option to save your camera settings in IPView Lite. D-Link Systems, Inc. 75 DCS-950G User's Manual IPView Lite In order to allow old video files to be overwritten and replaced by new recorded files, place a check mark in the Recycle Box and click on By HDD Reserved Space or By Time. The Single HDD Reserved Space field refers to the amount of space left on your drive before overwrite takes place. For instance if you enter 1000 MB, and your total hard drive space is 3000 MB, as soon as your drive reaches 2000 MB capacity, your files will be overwritten. You can specify between 300MB to 10GB hard drive reserve space. Click on By Time to overwrite old files with new files once the time frame that you specify (1-240 hours) has been reached. Note: Selecting the Recycle option will disable the Recording File Path Settings in the Recording menu. About Under About on the menu bar, click About for camera details such as software D-Link Systems, Inc.

76 DCS-950G User's Manual IPView Lite IPView Lite Icon Description Open a new file. The hot key is Ctrl+N. Open an existing file. The hot key is Ctrl+O. Save a file. The hot key is Ctrl+S. List view format. The hot key is Ctrl+F1. 1 Camera view format. The hot key is Ctrl+F3.

4 Camera view format. The hot key is Ctrl+F4. Refresh IPView Lite application. The hot key is F12. Add a camera.

The hot key is Shift+Ins. Delete a camera. The hot key is Del. Property setting to configure the camera. The hot key is F2.

Snap shot to capture a single still image. The hot key is F5. Start recording video image. The hot key is F7. Stop recording the image. The hot key is F9. Option to modify the User Name and Password for IPView Lite. The hot key is F10. D-Link Systems, Inc. 77 DCS-950G User's Manual IPView Lite Context Sensitive Menu In List View format, highlight a camera and right-click to bring up a context sensitive menu for features such as Add, Delete, Property, Enable, and Snap shot and Start/ Stop recordings.

In View mode format click on the icon located on the upper left corner of the screen and a case sensitive menu will appear (see below). These features will be available: Enable, Rotate Right, Rotate Left, Snap Shot, Start, List, 1 Camera or 4 Cameras, Previous Page and Next Page. D-Link Systems, Inc. 78 DCS-950G User's Manual Uninstall IPView Application Uninstall IPView Application Click on windows Start Menu > Programs > IPView > Uninstall IPView. A new prompt screen will be displayed like the one below confirming the removal. Choose the option that you want and click Next to continue the process or click on Cancel to reject the uninstall process. After you click on Next, a Confirm Uninstall dialog box will appear. Click OK to continue the process. D-Link Systems, Inc. 79 DCS-950G User's Manual Uninstall IPView Application The InstallShield Wizard prompt will appear.

Click Finish to complete the uninstallation procedure. D-Link Systems, Inc. 80 DCS-950G User's Manual Frequently Asked Questions Frequently Asked Questions Internet Camera Features 1 What is an Internet Camera? The Internet Camera is a standalone system connecting directly to an Ethernet or Fast Ethernet network and supported by the wireless transmission based on the IEEE 802.11g standard. It is different from the conventional PC Camera, the Internet Camera is an all-in-one system with built-in CPU and web-based solutions providing a low cost solution that can transmit high quality video images for monitoring.

The Internet Camera can be managed remotely, accessed and controlled from any PC/Notebook over the Intranet or Internet via a Web browser. 2 What is the maximum number of users that can be allowed to access DCS-950G simultaneously? The maximum number of users that can log onto the Internet Camera at the same time is 8. Please keep in mind the overall performance of the transmission speed will slow down when multiple users are logged on. 3 What algorithm is used to compress the digital image? The Internet Camera utilizes MPEG-4 Simple Profile image compression technology to provide high quality images. MPEG-4 Simple Profile is a standard for image compression and can be applied to various web browser and application software without the need to install extra software.

4 Can I capture still images from the Internet Camera? Yes you are able to capture still images with the snapshot function from the IPView Lite application supplied with the Internet Camera CD-ROM. You may also record snapshots using the snapshot feature on the Home page. When viewing this page, press the "snapshot" button on your Web browser to capture the image and save to your hard drive. D-Link Systems, Inc. 81 DCS-950G User's Manual Frequently Asked Questions 5 Can the Internet Camera be used outdoors? The Internet Camera is not weatherproof. It needs to be equipped with a weatherproof case to be used outdoors and it is not recommended. 6 What network cabling is required for the Internet Camera? The Internet Camera uses Category 5 UTP Twisted-pair cable allowing 10 Base-T and 100 Base-T networking. 7 Can the Internet Camera be setup as a PC-cam on the computer? No, the Internet Camera is used only on Ethernet and Fast Ethernet network or supported by wireless transmission. The D-Link DSB-C110, DSB-C310 can be used as a PC Camera (Webcam). 8 Can the Internet Camera be connected on the network if it consists of only private IP Addresses? Yes, the Internet Camera can be connected to a LAN with private IP Addresses.

9 Can the Internet Camera be installed if a firewall exists on the network? If a firewall exists on the network, port 80 is open for ordinary data communication. You will need to do port forwarding by opening a port to the camera. Please refer to your firewall's product manual for detailed instructions. 10 Why can't I access the Internet Camera from a Web browser. The possible cause might be the IP Address for the Internet Camera is already being used by another device. To correct the possible problem, you need to first disconnect the Internet Camera from the network.



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Then run the PING utility (follow the instructions in the section titled "PING Your IP Address:"). If there is a reply, it indicates that there is another device on the network with the same IP address. You will need to run the Install Wizard again and change the IP address of the camera. D-Link Systems, Inc. 82 DCS-950G User's Manual Frequently Asked Questions Other possible problems might be due to the network cable. Try replacing your network cable. Test the network interface of the product by connecting a local computer directly to the unit, utilizing a standard Crossover Cable, and run the PING utility. If the problem is not solved, the Internet Camera might be faulty. Internet Camera Installation 11 Why does the Power LED not light up constantly? The power supply used might be at fault.

Confirm that you are using the provided power supply, which is DC 5V, for the Internet Camera and verify that the power supply is well connected. 12 Why does the LAN LED not light up properly? There might be a problem with the network cable. To confirm that the cables are working, PING the address of a known device on the network. If the cabling is OK and your network is reachable, you should receive a reply similar to the following (. . . bytes = 32 time = 2 ms). Another possible problem may be that the network device utilized by the Internet Camera is not functioning properly, such as hubs or switches. Confirm the power for the devices are well connected and functioning properly. 13 Why does the Internet Camera work locally but not externally? This might be caused by the firewall protection. Check the Internet firewall with your system administrator. The firewall may need to have some settings changed in order for the Internet Camera to be accessible outside your local LAN. Refer to page 48 for more information about installing your camera behind a router. Make sure that the Internet Camera isn't conflicting with any web server you may have running on your network. The default router setting might be a possible reason.

Check that the configuration of the router settings allow the Internet Camera to be accessed outside your local LAN. 14 Why does a series of broad vertical white lines appear through out the image? It could be that the CMOS sensor (a square panel situated behind the lens that measures the light signals and changes it into a digital format so your computer can present it into an image that you are familiar with) has become overloaded when it has been exposed D-Link Systems, Inc. 83 DCS-950G User's Manual Frequently Asked Questions to bright lights such as direct exposure to sunlight or halogen lights. Reposition the Internet Camera into a more shaded area immediately as prolonged exposure to bright lights will damage the CMOS sensor. 15 The focus on the Internet Camera is bad, how can I correct it? Adjust the Internet Camera focus manually as described in the section titled "Adjusting the Camera Focus" on page 89.

16 Noisy images occur. How can I solve the problem? The video images might be noisy if the Internet Camera is used in a very low light environment. To solve this issue you need more lighting, or click on the Nightshot button on the Home page. 17 The images are poor quality, how can I improve the image quality? Make sure that your computer's display properties are set to at least 6-bit color. Using 16 or 256 colors on your computer will produce dithering artifacts in the image, making the image look as if it is of poor quality.

The configuration on the Internet Camera image display is incorrect. Through the Web Configuration Video section of the web management you need to adjust the image related parameters for improved images such as: brightness, contrast, hue and light frequency. Please refer to the Web Configuration section for detailed information. 18 Why are no images available through the Web browser? The ActiveX might be disabled. If you are viewing the images from Internet Explorer make sure ActiveX has been enabled in the Internet Options menu.

You may also need to change the security settings on your browser to allow the ActiveX plug-in to be installed. If you are using Internet Explorer with a version number of lower than 5, then you will need to upgrade your Web browser software in order to view the streaming video transmitted by the Internet Camera. D-Link Systems, Inc. 84 DCS-950G User's Manual How to Ping Your IP Address How to Ping Your IP Address The PING (Packet Internet Groper) command can determine whether a specific IP Address is accessible by sending a packet to the specific address and waiting for a reply. It is a very useful tool to confirm if the IP Address conflicts with the Internet Camera over the network.

Follow the step-by-step procedure below to utilize the PING command. Start a DOS window Start>Program>Accessories>Command Prompt Type ping x.x.x.x, where x.x.x.x is the IP Address of the Internet Camera. A successful connection to the camera will be indicated by 4 reply statements (below). D-Link Systems, Inc.

85 DCS-950G User's Manual How to Ping Your IP Address If you fail to connect to your camera you will see the following: Check to see if you have entered your camera's IP Address correctly or reassign your camera's IP Address. D-Link Systems, Inc. 86 DCS-950G User's Manual Time Zone Table Time Zone Table GMT stands for Greenwich Mean Time, which is the global time that all time zones are measured from. D-Link Systems, Inc. 87 DCS-950G User's Manual Time Zone Table D-Link Systems, Inc. 88 DCS-950G User's Manual Adjusting the Camera Focus Adjusting the Camera Focus To help you get the best image quality, keep in mind that while adjusting the DCS-950G focus you can preview the image quality from your Web browser. Camera Lens Adjust by turning clockwise or counter-clockwise. Note: You can further adjust the Internet Camera's image quality through the Web Configuration under Advanced > Video. Please refer to the Web Configuration section for further details. Warning: Direct exposure to sunlight may cause permanent damage to the CMOS sensor.

Therefore do not expose the Internet Camera's lens directly to sunlight. The Internet Camera is designed for indoor usage and if your application requires prolonged exposure to sunlight, a sun visor is recommended to protect the Internet Camera. D-Link Systems, Inc. 89 DCS-950G User's Manual Technical Specifications Technical Specifications Video specification Resolution: Sensor: Gain control: Exposure: White Balance: Shutter: Minimum Illumination:

Focal Length: Aperture: 640 x 480 pixel 1/4" color CMOS sensor Automatic Automatic Automatic Electronics 1/60 ~ 1/15000 sec 0.5lux@f1. 8, 3000K color 6.0 mm F=1.8 Image (Video Setting) Image compression: Frame rate: JPEG 30fps@QSIF, SIF, VGA 5 level (Very Low, Low, Medium, High, Very Compression Rate selection: High) Frame rate setting: Video resolution: Brightness control: Contrast control: Hue control: System Hardware LAN Connector: autoLED Indicator: 1, 5, 7, 15, 20, auto (depends on the video format) 160x120, 320x240, 640x480 Range 1- 128 Range 1- 128 Range 1- 128 One RJ-45 port to connect to 10/100Mbps Ethernet, sensed, auto MDI/X Power LED (Orange) LAN Activity LED (Green) Power Supply: Power Communication: D-Link Systems, Inc.



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DC 5V/2.5A, switching type 4.

5 Watt (900mA x 5V) 90 DCS-950G User's Manual Technical Specifications Communication Support Communication: Communication protocol: 10/100Mbps Ethernet and Fast Ethernet only 2.4 802.11G Wireless 54Mbps* HTTP, TCP/IP, UDP, ARP, ICMP, BOOTP, RARP, DHCP, PPPoE Web Configuration Requirements: Internet Explorer 6.0 or above CPU: Pentium II, 266 MHz or above Memory Size: 32 MB (64 MB recommended) 800x600 or above VGA card resolution: ActiveX Control requires IE6.0 or above PC Requirements for IPView Lite: Windows XP, Windows 2000, Windows Me, Windows 98SE Pentium III, 850 MHz CPU or above 128 MB (256 MB Recommended) EMI & Safety: FCC, CE, VCCI *Maximum wireless signal rate based on IEEE Standard 802.11g specifications. Actual data throughput will vary. Network conditions and environmental factors, including volume of network traffic, building materials and construction, and network overhead lower actual data throughput rate. D-Link Systems, Inc. 91 DCS-950G User's Manual Contacting Technical Support Contacting Technical Support You can find software updates and user documentation on the D-Link website.

D-Link provides free technical support for customers within the United States and within Canada for the duration of the warranty period on this product. U.S. and Canadian customers can contact D-Link technical support through our web site, or by phone. Tech Support for customers within the United States: D-Link Technical Support over the Telephone: (877) 453-5465 24 hours a day, seven days a week. D-Link Technical Support over the Internet: <http://support.dlink.com> email: support@dlink.com Tech Support for customers within Canada: D-Link Technical Support over the Telephone: (800) 361-5265 Monday to Friday 7:30am to 12:00am EST D-Link Technical Support over the Internet: <http://support.dlink.ca>

When contacting technical support, please provide the following information: Serial number of the unit Model number or product name Software type and version number D-Link Systems, Inc. 92 DCS-950G User's Manual Warranty Warranty Subject to the terms and conditions set forth herein, D-Link Systems, Inc. ("D-Link") provides this Limited Warranty: · Only to the person or entity that originally purchased the product from D-Link or its authorized reseller or distributor, and · Only for products purchased and delivered within the fifty states of the United States, the District of Columbia, U.S. Possessions or Protectorates, U.S. Military Installations, or addresses with an APO or FPO. Limited Warranty: D-Link warrants that the hardware portion of the D-Link product described below ("Hardware") will be free from material defects in workmanship and materials under normal use from the date of original retail purchase of the product, for the period set forth below ("Warranty Period"), except as otherwise stated herein. . . . Hardware (excluding power supplies and fans): One (1) year Power supplies and fans: One (1) year Spare parts and spare kits: Ninety (90) days The customer's sole and exclusive remedy and the entire liability of D-Link and its suppliers under this Limited Warranty will be, at D-Link's option, to repair or replace the defective Hardware during the Warranty Period at no charge to the original owner or to refund the actual purchase price paid.

Any repair or replacement will be rendered by D-Link at an Authorized D-Link Service Office. The replacement hardware need not be new or have an identical make, model or part. D-Link may, at its option, replace the defective Hardware or any part thereof with any reconditioned product that D-Link reasonably determines is substantially equivalent (or superior) in all material respects to the defective Hardware. Repaired or replacement hardware will be warranted for the remainder of the original Warranty Period or ninety (90) days, whichever is longer, and is subject to the same limitations and exclusions. If a material defect is incapable of correction, or if D-Link determines that it is not practical to repair or replace the defective Hardware, the actual price paid by the original purchaser for the defective Hardware will be refunded by D-Link upon return to D-Link of the defective Hardware. All Hardware or part thereof that is replaced by D-Link, or for which the purchase price is refunded, shall become the property of D-Link upon replacement or refund. Limited Software Warranty: D-Link warrants that the software portion of the product ("Software") will substantially conform to D-Link's then current functional specifications for the Software, as set forth in the applicable documentation, from the date of original retail purchase of the Software for a period of ninety (90) days ("Software Warranty Period"), provided that the Software is properly installed on approved hardware and operated as contemplated in its documentation. D-Link further warrants that, during the Software Warranty Period, the magnetic media on which D-Link delivers the Software will be free of physical defects. The customer's sole and exclusive remedy and the entire liability of D-Link and its suppliers under this Limited Warranty will be, at D-Link's option, to replace the non-conforming Software (or defective media) with software that substantially conforms to D-Link's functional specifications for the Software or to refund the portion of the actual purchase price paid that is attributable to the Software. Except as otherwise agreed by D-Link in writing, the replacement Software is provided only to the original licensee, and is subject to the terms and conditions of the license granted by D-Link for the Software.

Replacement Software will be warranted for the remainder of the original Warranty Period and is subject to the same limitations and exclusions. If a material non-conformance is incapable of correction, or if D-Link determines in its sole discretion that it is not practical to replace the non-conforming Software, the price paid by the original licensee for the non-conforming Software will be refunded by D-Link; provided D-Link Systems, Inc. 93 DCS-950G User's Manual Warranty Non-Applicability of Warranty: The Limited Warranty provided hereunder for hardware and software of D-Link's products will not be applied to and does not cover any refurbished product and any product purchased through the inventory clearance or liquidation sale or other sales in which D-Link, the sellers, or the liquidators expressly disclaim their warranty obligation pertaining to the product and in that case, the product is being sold "As-Is" without any warranty whatsoever including, without limitation, the Limited Warranty as described herein, notwithstanding anything stated herein to the contrary.

Submitting A Claim: The customer shall return the product to the original purchase point based on its return policy.



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