

Setting Up DCS-1000W Camera & Internet Gateway Router



Configure the Camera with QIG.

Camera Name	<input type="text" value="Camera Name"/>
Location	<input type="text" value="Your Location"/>
Admin	Admin ID : <input type="text"/>
	Admin Password : <input type="text"/>
	Confirm Password : <input type="text"/>

Once logged into the camera, on the main menu, click/select System. Enter a Camera Name and Location. You will also be able to assign a Admin Name and Password.

IP Assignment

IP Assignment

Manually Assign

IP Address :

Subnet Mask :

Default Gateway :

Assign Automatically Using

RARP

BOOTP

DHCP

PPPoE

Service Name :

User ID :

Password :

There are two ways to assign an IP address. To configure the DCS-1000W for security purposes, it will be necessary to manually assign an IP address for use behind an Internet Router. The Default Gateway will be the IP Address of the Internet Router's LAN IP Address.

Setting up your Wireless Connection and Encryption

DNS IP Address	1:	<input type="text" value="0.0.0.0"/>
	2:	<input type="text" value="0.0.0.0"/>
Wireless Interface	Connection Mode	<input checked="" type="radio"/> Infrastructure <input type="radio"/> 802.11 Adhoc <input type="radio"/> Adhoc
	Network Name	<input type="text" value="DCS-1000 Test"/> (ESS-ID)
	Wireless Channel	<input type="text" value="6"/>
	Encryption WEP Key	<input type="text" value="●●●●●●●●●●●●"/> <input type="radio"/> ASCII <input checked="" type="radio"/> HEX
	Confirm WEP Key	<input type="text" value="●●●●●●●●●●"/>

In the "Wireless Interface" section, you will be asked for your "Connection Mode," "Network Name" and "Encryption WEP Key." Choose either HEX or ASCII. Your "Wireless Channel" should also be set.

This information should be written down and saved for configuration of the Wireless Router and other Wireless Cameras.

Assigning and Opening outside ports.

Opening Outside Ports will allow users to view the Camera Images from inside or outside the Wireless Network. The Web Server Port is a proprietary port used in the IP address from a remote location. (Ex. <http://10.80.1.250:83>)



The screenshot shows a configuration window with a teal sidebar on the left containing the following sections:

- LED Control**: Normal OFF Dummy
- Loading ActiveX From**: An empty text input field.
- Open Second Port**: Yes No

Under the 'Open Second Port' section, there are two rows of configuration:

- Row 1: "1 : Web Server - Default 80" with a text input field containing "83".
- Row 2: "2 : Transfer Image - Default 8481" with a text input field containing "8484".

At the bottom of the configuration area, there are two buttons: "Save" and "Cancel".

The ports that are opened must be unique for each camera, to successfully view the images from an outside network.

Security Notification Configuration

These fields control Input Trigger 1 and Trigger 2. Each Input trigger can trigger either or both Output triggers.

SMTP Server Address: Name or IP address of a SMTP Mail Server that the camera can send images to

Sender E-Mail: Name of the Camera/Trigger that sent the mail

Receiver E-Mail: Account Name of person to receive pictures when sensors are activated

Sending Interval: The time between additional sequences of pictures are taken when sensors activated

Sending Times: The number of times the camera takes additional sequences of pictures based on Sending Interval.

Trigger I/O: Enable Output trigger for the specified input trigger

Output # Time: How long the output trigger is activated if Sensor is activated. (i.e.. How long should siren ring?)

<input checked="" type="checkbox"/> Send e-mail attached with image	
SMTP Server Address :	<input type="text" value="10.80.1.7"/>
Sender e-mail Address :	<input type="text" value="SensorSwitch@dcs.com"/>
Receiver e-mail Address :	<input type="text" value="postmaster@dcs.com"/>
Sending Interval :	<input type="text" value="1"/> Seconds
Sending Times :	<input type="text" value="1"/>
<input checked="" type="checkbox"/> Trigger I/O Output	
<input checked="" type="checkbox"/> Output 1 Time :	<input type="text" value="3"/> Seconds
<input type="checkbox"/> Output 2 Time :	<input type="text" value="0"/> Seconds
I/O Input Trigger 1	

<input checked="" type="checkbox"/> Send e-mail attached with image	
SMTP Server Address :	<input type="text" value="10.80.1.7"/>
Sender e-mail Address :	<input type="text" value="MotionSensor@dcs.com"/>
Receiver e-mail Address :	<input type="text" value="postmaster@dcs.com"/>
Sending Interval :	<input type="text" value="1"/> Seconds
Sending Times :	<input type="text" value="1"/>
<input checked="" type="checkbox"/> Trigger I/O Output	
<input checked="" type="checkbox"/> Output 1 Time :	<input type="text" value="3"/> Seconds
<input type="checkbox"/> Output 2 Time :	<input type="text" value="0"/> Seconds
I/O Input Trigger 2	

Configure all Cameras that will be used in The Wireless Security Network

View Image - Java Mode [Home](#)

CS-57810C
2002-01-13 06:05:13

- Output 1 Trigger [OFF]
- Output 2 Trigger [OFF]
- Image Upload [OFF]



Router Set-Up and Installation



Configure the initial settings by following the steps outlined in the DI-614+ QIG. Once logged into the Router, on the main menu, click/select "Wireless."

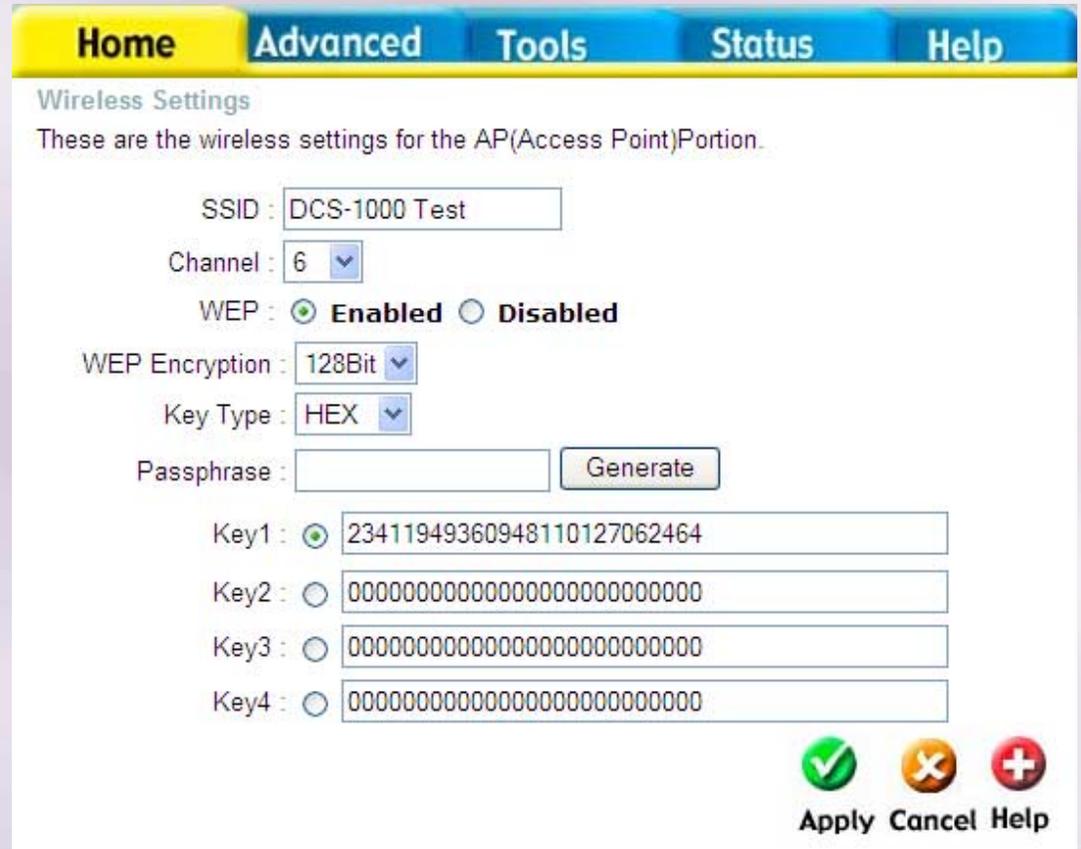


Setting up your Wireless Connection and Encryption

In the "Wireless Interface" section, you will be asked for your SSID ("Network Name") and "Encryption WEP Key." Choose either HEX or ASCII. Your "Wireless Channel" should also be set.

This information should be entered from the notes taken on the configuration of the Wireless Camera.

Currently, D-Link only produces Cameras based on 802.11b. Therefore, 128 bit encryption is the maximum that can be used.



The screenshot shows the 'Advanced' tab of a web interface for wireless settings. The page title is 'Wireless Settings' and it includes a sub-header: 'These are the wireless settings for the AP(Access Point)Portion.' The configuration fields are as follows:

- SSID: DCS-1000 Test
- Channel: 6 (selected from a dropdown)
- WEP: Enabled Disabled
- WEP Encryption: 128Bit (selected from a dropdown)
- Key Type: HEX (selected from a dropdown)
- Passphrase: [Empty text box] [Generate button]
- Key1: 23411949360948110127062464
- Key2: 00000000000000000000000000000000
- Key3: 00000000000000000000000000000000
- Key4: 00000000000000000000000000000000

At the bottom right of the form, there are three icons: a green checkmark, an orange 'X', and a red plus sign. Below these icons are the labels 'Apply', 'Cancel', and 'Help'.

WAN IP Assignment



The screenshot shows the WAN Settings page in a web interface. The page has a navigation bar with tabs: Home (selected), Advanced, Tools, Status, and Help. On the left side, there is a sidebar with icons for a router and buttons for Wizard, Wireless, WAN (highlighted in yellow), LAN, and DHCP. The main content area is titled "WAN Settings" and contains the following text: "Please select the appropriate option to connect to your ISP." Below this, there are three radio button options: "Dynamic IP Address" (unselected), "Static IP Address" (selected), and "PPPoE" (unselected). Each option has a brief description. Under the "Static IP" section, there are five input fields: "IP Address" (10.80.1.250), "Subnet Mask" (255.0.0.0), "ISP Gateway Address" (10.10.10.100), "Primary DNS Address" (10.10.10.41), and "Secondary DNS Address" (10.10.10.45). At the bottom right, there are three buttons: "Apply" (with a green checkmark icon), "Cancel" (with a yellow 'x' icon), and "Help" (with a red plus icon).

Home Advanced Tools Status Help

WAN Settings

Please select the appropriate option to connect to your ISP.

Dynamic IP Address Choose this option to obtain an IP address automatically from your ISP. (For most Cable modem users)

Static IP Address Choose this option to set static IP information provided to you by your ISP.

PPPoE Choose this option if your ISP uses PPPoE. (For most DSL users)

Static IP

IP Address (assigned by your ISP)

Subnet Mask

ISP Gateway Address

Primary DNS Address

Secondary DNS Address (optional)

Apply Cancel Help

There are two ways to assign an IP address. To configure the DI-614+ for security purposes, it will be necessary to manually assign an IP address for use with the Internet Router.

LAN IP Assignment



The screenshot shows the LAN Settings page in the D-Link web interface. The page has a navigation bar with tabs for Home, Advanced, Tools, Status, and Help. On the left side, there is a sidebar with icons for Wizard, Wireless, WAN, LAN (highlighted in yellow), and DHCP. The main content area is titled "LAN Settings" and contains the following information:

LAN Settings
The IP address of the DI-614+.

IP Address: 192.168.0.1
Subnet Mask: 255.0.0.0
Local Domain Name: (optional)

At the bottom right of the form, there are three buttons: Apply (with a green checkmark icon), Cancel (with an orange X icon), and Help (with a red plus icon).

In this section you will be asked to assign a LAN IP address. This will be the same address as the gateway address in the DCS-1000W. To configure the DI-614+ for security purposes, it will be necessary to manually assign an LAN IP address for use with the Internet Camera.

Local Domain Name entry is optional.

Assigning and Opening Virtual Server Ports.

The Virtual Server Ports must be opened for Internet users to access Internet Cameras from outside the Wireless Network.

Two ports per camera should be opened for each camera on the Wireless Network.

“Scheduling” should be set to “always,” so that the camera images can be accessed at any time.

Large quantities of Internet Cameras may require the use of DMZ settings.

Virtual Server configuration interface showing settings for a Virtual Server (Local Security Camera 3) with Private IP 192.168.0.25, Protocol Type TCP, Private Port 82, and Public Port 82. The Schedule is set to Always.

Name	Private IP	Protocol	Schedule
Local Security Camera 1	192.168.0.35	TCP 84/84	always
Local Security Camera 1	192.168.0.35	TCP 8485/8485	always
Local Security Camera 2	192.168.0.30	TCP 83/83	always
Local Security Camera 2	192.168.0.30	TCP 8484/8484	always

The Installation is Concluded