CG-WLNCM4G

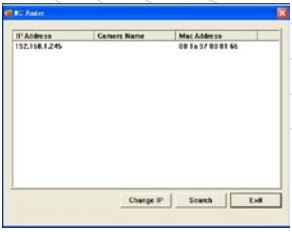
user manual

Dual-stream IP Camera

CG-WLNCM4G
Quick start guide

(A) Connect Your Camera

(B) Find the Camera's IP Address



(C) Configure Your Camera

(D) Enjoy the convenient remote monitoring everywhere!

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CG-WLNCV4G

Before Use

1. Introduction

Thank you for purchasing corega WLNCM4G, a high-performance network camera that can be operated wirelessly. This multifunctional surveillance system not only supports high-quality video and two-way audio, but also adjusts its light mode automatically according to the environmental lighting conditions. The defining characteristic of the product, setting it apart from conventional PC cameras, is that it is a stand-alone system with a built-in CPU, Web server and multiple video format compatibility. For those in need of personal surveillance equipment, CG-WLNCM4G is an ideal device providing a low-cost, convenient solution for remote monitoring and home security.

1.1 Package Contents

Duel-stream IP Camera x 1
Stand x1
Mounting Hardware Packet x1
Power Adapter x1
RJ45 Cable x1
User Manual x1
CD-ROM x1

1.2 System Requirement

For Using Camera Alone:

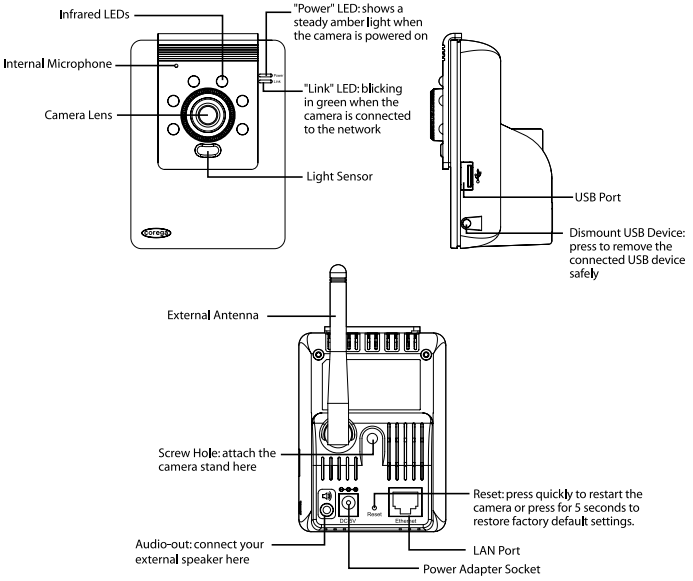
Platform: Microsoft Windows 2000/XP/Vista
CPU: Intel Pentium III 800MHz or above

RAM: 512MB
Resolution: 800x600 or above
Web Browser: Microsoft® Internet Explorer 6.0 or above, Firefox and Safari
Networking: LAN: 10Base-T Ethernet or 100Base-TX Fast Ethernet.
Wireless LAN: IEEE 802.11b/g

1.3 Product Features

- 1/4" CMOS Image Sensor
- 802.11g/b wireless LAN and 10BaseT/100BaseTX Ethernet with Auto-MDI/MDIX supported
- User-selectable compression codec, MJPEG and MPEG-4 supported
- 3x digital zoom
- Two-way audio
- Automatic sensitivity adjustment for low light and night view
- Compatible with 3GPP mobile phone videos
- ID and Password authentication for user security
- Scheduled, motion triggered or manual recording options supported
- IP surveillance monitoring and recording for up to 16 channels (windows) using NC Monitor (the included software)
- USB1.1 port for real time image capturing via external USB storage devices
- Supports all management functions provided in web browser.
- RoHS Compliant

1.4 Product Overview



1.5 Installing the Camera Stand

The camera comes with a stand, and you can attach it to the camera to set up the camera on a desk, mount it on the wall or on the ceiling, as the three images shown below. Otherwise, the stand is not necessary for ordinary use.

On the desk

On the wall

On the ceiling

CG-WLNCV4G

Basic Settings

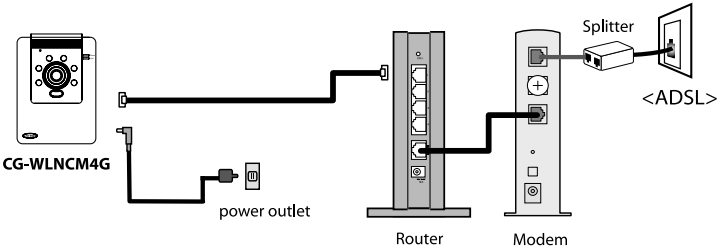
2. Setting Up the Camera

2.1 Connecting Your Product to a Local Area Network (LAN)

Step 1: Use the provided Ethernet cable to connect the camera to your local area network while plugging the power adapter in to a power outlet.

Step 2: The "Power" LED will show a steady amber light, meaning the camera has been automatically powered on.

Step 3: The "Link" LED light will start flashing in green and the camera is ready for use now.

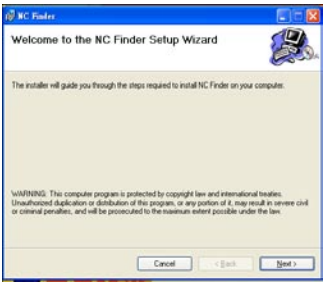


2.2 Installing the Software

Step 1: Insert the installation CD into your computer's CD-ROM drive. The corega welcome page will launch automatically.

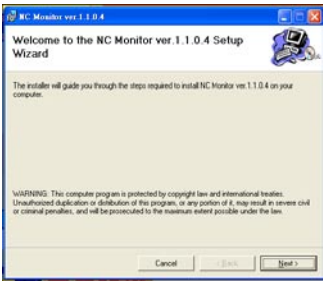
Step 2: Click [Install Software] and you will see the following page with two programs: NC Finder and NC Monitor.

Step 3: Click [NC Finder] button and the installation program will show up as below. Please complete the installation step by step.



Step 4: Then you can go to "Start" --> "Programs" --> "corega" --> "NCFinder" to access the program in the future without using the included CD-ROM.

You can also install NC Monitor at this moment. Just click on [NC Monitor] button to start the installation.

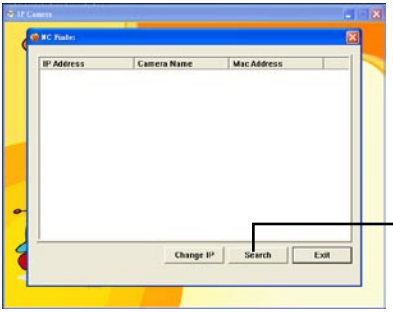


Please follow the steps shown on the screen to complete the installation. It is a convenient application that helps you enjoy the camera even more. We will talk about NC Monitor further in Chapter 4.

2.3 Accessing the Live View Page

Step 1: Insert the installation CD into your computer's CD-ROM drive. (If you have installed NC Finder in your computer, you do not have to use the installation CD)

Step 2: Click [NC Finder] to locate the current IP address of the camera. The default IP address is 192.168.1.245.



Step 3: Once you get the correct IP address of the camera, please double click the IP address shown on the screen again. Your default web browser will open automatically with a login window (If the IP address is incorrect, you will not be able to see the pop-up web browser window).

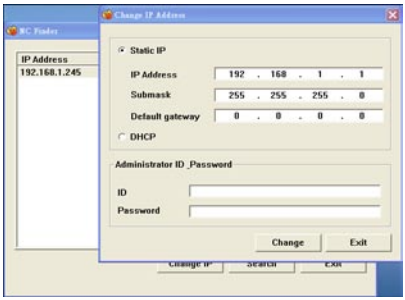
You can also open your web browser separately and type the IP address in the URL bar (for example, http://192.168.1.245).

NOTE: Microsoft Internet Explorer is mostly recommended. Some functions may not be available in Mozilla Firefox and Safari.

Step 2: When the login window appears, enter the default user name (root) and password (leave it blank) and press [OK].

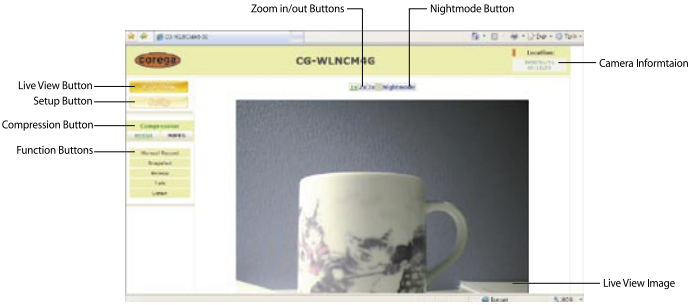
NOTE: Some web browsers require installing "ActiveX Control" add-on. Please click [OK] to install it to access the Live View page.

NOTE: If the camera's IP address exists in a different subnet from that in your router, please double click the IP address shown on the screen or click [Change IP] to modify your camera's IP address accordingly. When changing your camera's IP address, you are required to enter the administrator's ID and password. The default user name is "root." Please leave the password section blank.



2.4 Using the Live View Page

The live image is now displayed on the right side and some configuration buttons are shown on the left side.



This page provides you with many useful viewing and management functions, including:

- **Camera Information** - Display the camera's location, date and time. The information can be modified in the Setup section.
- **Live View Image** - Display the real-time image of the connected camera.
- **Live View Button** – Click here to switch to the Live View mode.
- **Compression Button** – Choose either MPEG4 or MJPEG compression to transmit and record your video.
- **Setup Button** – Click here to configure the camera. For details, please refer to Chapter 3.
- **Function Buttons** – Use these buttons to control the audio and video functions, which include:
  - **Manual Record:** To record and save video clips manually.
  - **Snapshot:** To capture and save still images.

- **Browse:** To assign the destination folder to captured video clips and still images.
- **Talk:** To allow the person at the camera's location to hear sounds and voices from your location. (You need to connect an external speaker to the camera when using this function, as the camera has no built-in speaker. Only one user is allowed to use this function at a time).
- **Listen:** To receive sounds and voices from the camera's location.

Once you click on Manual Record, Snapshot, or Browse, a new window will pop up letting you select a folder to save your video and image files. You can find your saved files in that folder in the future.

The default video format is ".avi". Please go to http://www.divx.com to download DivX player to view avi files.

- **Zoom in/out Buttons** – Click 1x, 2x, or 3x to zoom in/out the live view image.
- **Nightmode Button** – Click the button to enable "night view" mode to receive clearer images in low lighting conditions. However, this may reduce the frame rate of the video and the video may look black and white instead of full color.

2.5 Quick Setup

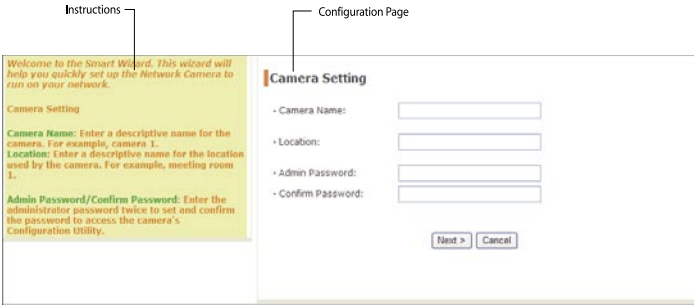
For first time network camera users who are not familiar with this product, we provide a very simple setup tool called "Smart Wizard." It consists of detailed instructions that will help you set up your network as well as some basic functions.

Please follow those steps below to set up your camera:

Step 1: To access this tool, click [Setup] [Smart Wizard].

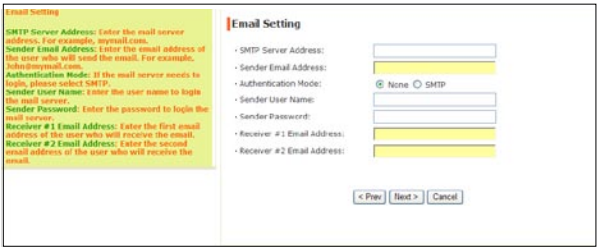
Step 2: Camera Settings

It is recommended that you assign a new administrator password as soon as possible to assure security.

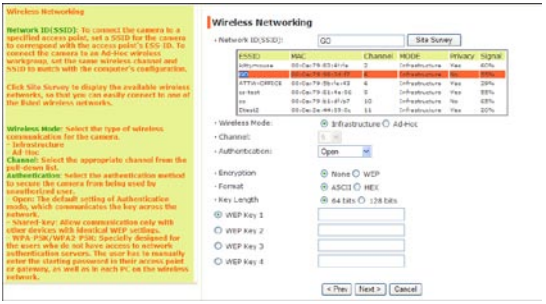


Step 3: IP Settings

Step 4: Email Settings



Step 5: Wireless Networking



Step 6: This step shows the new configuration of your camera. Please confirm all the information and click [Apply] if they are correct. Otherwise, click [Prev] to go back to previous step(s) to make corrections. Click [Cancel] to end the wizard and discard you changes.

For more setting options, please refer to the next Chapter.

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Advanced Settings

3. Advanced Settings

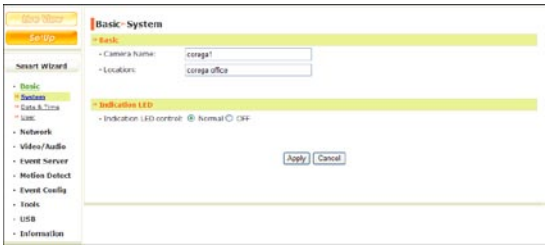
In the previous chapter, we learned the camera's basic functions and used "Smart Wizard" to set up some simple configurations. In this chapter, you will further configure the camera to meet your personal preference.

Please first click [Setup] on the live view page, and you will see many configuration options below.

3.1 Basic

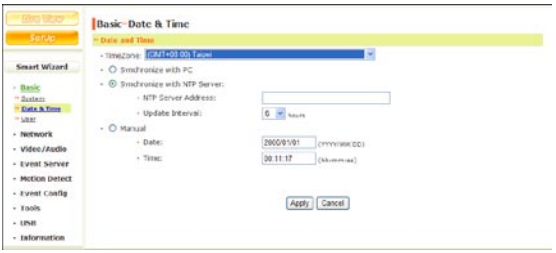
3.1.1 System

Indicate your camera's name and location. You can also disable the LED light to make the camera unnoticeable to your target.



3.1.2 Date & Time

You can set your date, time, and time zone manually or automatically by synchronizing the camera's date and time with your PC or NTP server.



The camera has a built-in backup battery, but after the camera is unplugged for too long and the battery runs out, the date & time settings may go back to factory default.

3.1.3 User

There are three different management levels for the camera, including:

Administrator: Only one administrator is allowed for this camera. An administrator can modify all the settings. It is strongly recommend that your change the default administrator's password to prevent unauthorized use. If you have set up your new password using Smart Wizard, you do not have to do it again here.

General User: There may be multiple general users for this camera. A general user can use the "Function Buttons" on the live view page but can not access the "Setup" section.

Guest: There may be multiple guests for this camera. A guest can only see the live view images but nothing else. An administrator can add up to eleven general users and guests in total.

3.2 Network

3.2.1 Network

If you have set up your network in Smart Wizard, here you can change more detailed settings. If you did not use Smart Wizard previously, it is okay to set up the network completely here.

IP Setting:

- **DHCP:** Select this option when your network uses the DHCP server, such as a NAT router. When the camera starts up, it will be assigned an IP address from the DHCP server automatically.
- **Static IP:** Select this option to assign an IP address for the camera directly. You may use NC Finder to obtain the related setting values.
- **PPPoE:** Select this option when you use a direct connection via an ADSL modem. You should have a PPPoE account from your Internet

service provider. Please also enter the user name and password here. The camera will get an IP address from the ISP as starting up.

Please note that once the camera gets an IP address from the ISP as starting up, it automatically sends a notification email to you. Therefore, you have to set up the email or DDNS configuration in advance when using PPPoE.

DDNS Setting:

With the Dynamic DNS feature, you can assign a fixed host name and domain name to a dynamic Internet IP address. Select [Enable] to enable this feature and select your preferred provider from the pull-down list. Enter the required information in the Host Name, User Name, and Password boxes. Please note that you have to sign up for DDNS service with a service provider first in order to use this feature.

UPnP:

The camera supports UPnP (Universal Plug and Play), which is a set of computer network protocols that enable the device-to-device interoperability. In addition, it supports port auto-mapping function so that you can access the camera if it is behind a NAT router or firewall. Select [Enable] to enable this feature.

Ports Number:

- **HTTP Port:** The default HTTP port is 80.

NOTE: If you have a second camera in the same sub-network, you should assign a different HTTP port to the second camera, for

example, HTTP port:81. When you use web browser to access the second camera, you may type http://camera's IP address:81 to get the live view page.

- **RTSP Port:** Configure the transmission of streaming data within the network. The default RTSP (Real Time Streaming Protocol) port is 554.

3.2.2 IP Filter

The IP Filter setting allows the camera administrator to block computers that use a certain range of IP addresses.

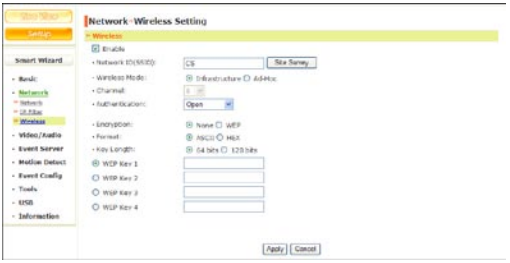
Please assign a range of IP addresses by entering the Start IP address and End IP address. Click [Add] to save the setting. You can repeat the action to assign multiple ranges for the camera and users whose IP address located within those ranges will not be allowed to access the camera.

3.2.3 Wireless

The wireless setting section is pretty much the same as that in Smart Wizard. If you are satisfied with your current settings, you do not have to change anything here. Otherwise, please configure your wireless network here.

The camera supports WLAN while you use the wireless network.

Please first select [Enable] to enable the wirelss function.



- **Network ID (SSID):** Click [Site Survey] to display the available wireless networks. Please double click the ESSID which you would like to connect from the Site Survey list.
- **Wireless Mode:** Select the type of wireless communication for the camera, either Infrastructure or Ad-Hoc. (Please select Infrastructure if you connect this camera to an Access Point or a wireless router.)
- **Channel:** Select the appropriate channel from the list.

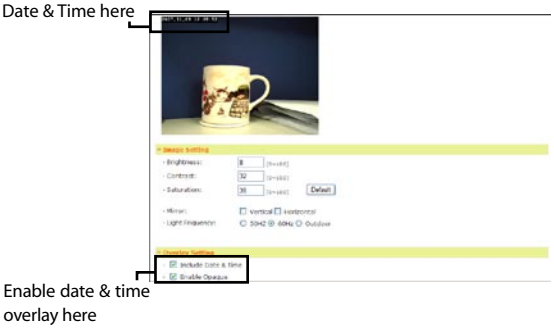
All of the wireless security settings, such as Authentication, Encryption, key, etc., should be same as the remote device which you would like to connect.

3.3 Video / Audio

3.3.1 Camera

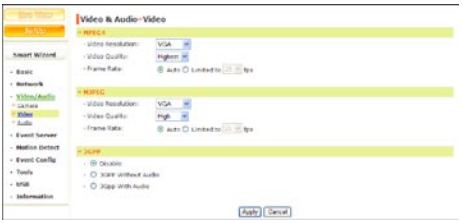
Here you can modify the image settings in terms of brightness, contrast, and saturation. You can also change the Light Frequency according to the lighting conditions of the camera's location. By choosing "Outdoor" mode, you can avoid over-exposure in an outdoor sunny environment.

To include date and time information on your image, select [Includes Date & Time] option. The information will show in white color. You can add a black background behind the displayed date and time by selecting [Enable Opaque].



3.3.2 Video

The camera supports both MPEG4 and MJPEG compression. MJPEG captures the images in JPEG format, which requires higher bandwidth to view smooth videos. Here you can select your preferred video quality and frame rate for live view images.



Since the camera supports 3GPP format, you can also choose if you would like to have audio enabled while using 3GPP-supported mobile devices. To view the real-time streaming images captured by the camera, please enter the RTSP link: rtsp://(IP address of the camera)/3gp on your mobile device.

(For information about how to use 3GPP-supported mobile devices, please contact your service provider.)

3.3.3 Audio

By enabling [Camera Microphone In], you will receive sounds and voices from the camera's location. You can also enable [Camera Speaker Out] while using an external speaker with the camera, so the person at the camera's location can hear sounds and voices from your location. (Only one user is allowed to use this function at a time).

3.4 Event Server

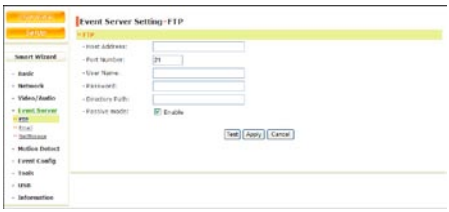
The camera allows you to have your captured images uploaded to a FTP server, sent to assigned email addresses, or stored to your network storage server. Here you can set up your preferred destinations step by step.

Please note that only still images can be captured when those below methods are used. To save videos, please use "Manual Record" button on Live View page or NC Monitor software.

After you complete the necessary settings for FTP, emails, or network storage servers, click [Test] to test if the configuration is correct. Once the camera connects to the server successfully, click [Apply] to accept the settings.

3.4.1 FTP

To configure your FTP server for the camera, first enter the Host Address, Port Number, User Name and Password of the target FTP server.



- **Directory Path:** Select the destination folder on the FTP server that you would like to upload files to.
- **Passive Mode:** Select [Enable] to enable passive mode if needed.

3.4.2 Email

The email settings here are very similar to those in Smart Wizard. If you are satisfied with your current settings, you do not have to change anything here. Otherwise, please configure your email server here.

- **SMTP Server Address:** Enter the mail server address, such as "hotmail.com".
- **Sender Email Address:** Enter the email address of the user who will send the email, such as aloha@hotmail.com.
- **Sender User Name:** If you choose to have SMTP authentication, enter the username to login to the mail server.
- **Sender Password:** If you choose to have SMTP authentication, enter the password to login to the mail server.
- **Receiver #1 Email Address:** Enter the first email address of the user who will receive the email.
- **Receiver #2 Email Address:** Enter the second email address of the user who will receive the email.

3.4.3 Net Storage

- **Samba Server Address:** Enter the IP address of the network storage server.
- **Share:** Assign a folder on the network storage server to share files

to users.

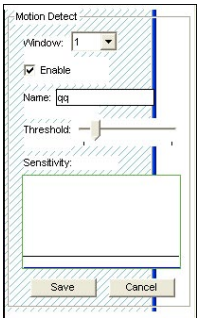
- **Path:** Assign a path on the network storage server that you would like to upload files to.
- **User Name:** Enter the username to login to the server.
- **Password:** Enter the password to login to the server.
- **Split By:** When a file is too large to be uploaded smoothly, use this option to split it by file size or recording time.
- **When Disk Full:** Select [Stop Recording] or [Recycle – Delete Oldest Folder] when your storage space is full. Be aware if you only have one folder left, the system will not delete that folder.

3.5 Motion Detect

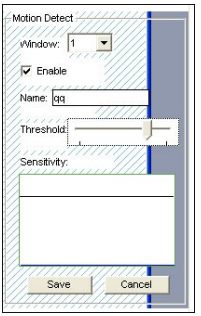
The camera features a motion detection function. You can assign up to two detection areas. When Window 1 or Window 2 is chosen, a box will turn red outlined on the image. You can use mouse to move and change the coverage of the detection areas. You can also name each detection area for your reference. Select [Enable] to use the chosen detection area.

Move the "Threshold" slide bar to adjust the sensitivity level of motion detecting. When the level is set low, even slight motions can be detected (A). When the level is set high, only big and obvious motions can be detected (B).

(A)



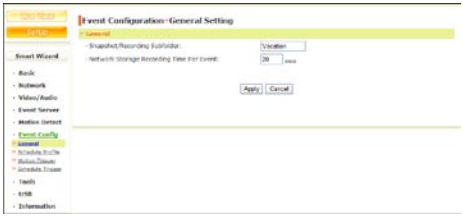
(B)



Make sure to click [Save] to save the settings when you are done.
An image will be taken when a motion within the detection areas is big enough to affect the horizontal sensitivity line. You can specify what "event" will simultaneously be "triggered" in the next step at "Motion Trigger" section.

3.6 Event Config

3.6.1 General Setting

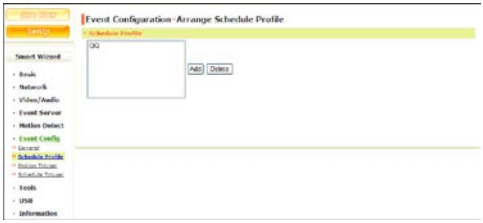


- **Snapshot/Recording Subfolder:** Please name the subfolder for captured files. Otherwise, leave this option blank to use the default setting.
- **Network Storage Recording Time Per Event:** Specify the recording time when you use a network storage server.

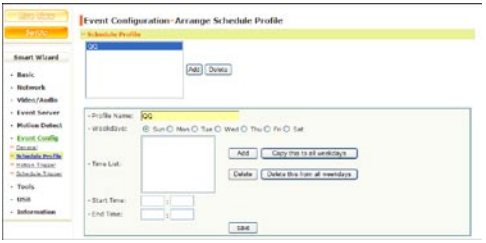
Click [Apply] to accept your settings or [Cancel] to discard the settings.

3.6.2 Schedule Profile

Click [Add] and enter a profile name for a new schedule profile in the prompt dialog window (be aware the pop-up window may be blocked by your web browser). The new profile will be added to the list once you click [OK]. (To remove the profile, select the profile in the list and click [Delete].)



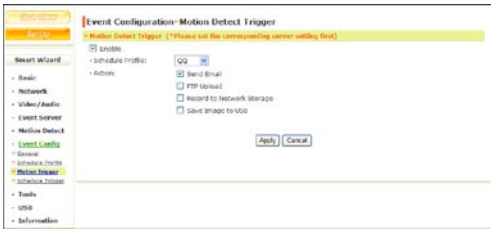
Double click the profile you just added, a new window will show up with detailed settings:



- **Profile Name:** Here displays the profile name selected in the list.
- **Weekdays:** Select the weekday(s) that you are going to assign time periods in the schedule profile. The weekday that has been assigned with a time period will be displayed in green color.
- **Time List:** Enter the Start/End Time and click [Add] to assign a new time period for the selected weekday. To assign same time period to all weekdays, click [Add this to all weekdays]; click [Delete this from all weekdays] to remove the selected time period from all weekdays. Click [Delete] to remove the selected time period. Click [Save] to save the changes.

3.6.3 Motion Trigger

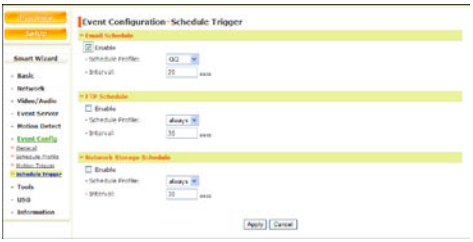
We have specified motion detection areas and schedule profiles in the previous steps, and here we can enable the "motion detect trigger function" by selecting [Enable] on this page.



- **Schedule Profile:** From the pull-down menu, you can have motion detect trigger function enabled all the time by selecting [Always], or you can have it enabled only during the time period (the specific schedule profile) assigned previously.
- **Action:** In "Event Server" step, we have configured FTP, emails, and network storage server. Here you can choose which destination to upload/send the captured images to. You can also select "Save Image to USB" to have the images send to an external USB device.

3.6.4 Schedule Trigger

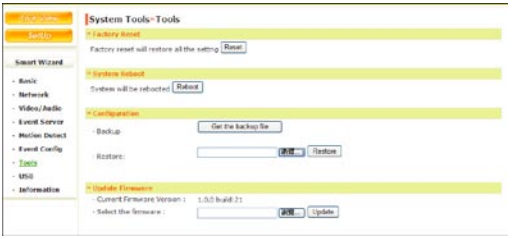
Since you have specified several schedule profiles previously, here you can start setting scheduled image capturing which you can receive by emails, FTP or network storage servers. Select [Enable] to enable the preferred option for scheduled image capturing, choose a "schedule profile" from the pull-down list, and then set the "interval time" between each image captured. You can assign different schedule profile for each option individually.



NOTE: If the setting value of the "Network Storage Recording Time Per Event" option in General Setting is longer than the interval time for Network Storage Schedule, the recorded file will be a continuous video clip. For example, if you set the Network Storage Recording Time Per Event as ten seconds and the interval time as five seconds, the recorded file will be a non-stop video clip because the camera will record a 10-second video clip every 5 seconds.

3.7 Tools

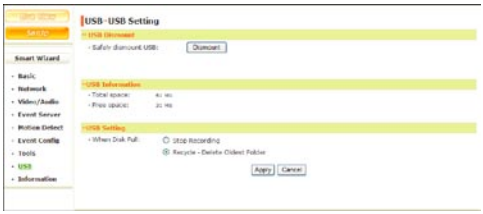
The Tools section provides commands that allow you to restart or reset the camera. You can also backup and restore your configurations, and upgrade the camera's firmware here.



- **Factory Reset:** Click [Reset] to reset the camera back to factory default settings
- **System Reboot:** Click [Reboot] to restart the camera. The camera configurations will be retained after rebooting.
- **Configuration:** You can save your camera configurations as a backup file on your computer. Click [Get the Backup File] to create a backup file with all the current settings or click [Browse] to retrieve a saved backup file and then click [Restore].
- **Update Firmware:** The current firmware version will be displayed here. To upgrade the firmware for your camera, please click [Browse] to select backup file to upgrade. Make sure to keep the camera connected to a power outlet while upgrading the firmware. The camera may be damaged if it is disconnected during this process.

3.8 USB

The USB section provides information of the connected USB storage devices.



- **USB Dismount:** Make sure to click [Dismount] before unplugging the USB device. The button will turn light grey when the device is dismounted successfully.
- **USB Information:** Here shows the total space and available space

of the device.

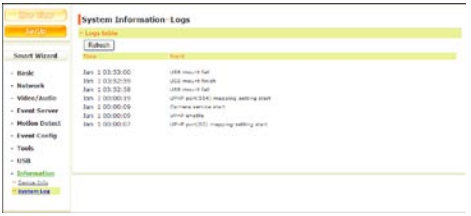
- **USB Setting:** You can choose [Stop Recording] or [Recycle – Delete Oldest Folder] when the USB device's storage space is full. However, if you only have one folder left, the system will not delete that folder. Click [Apply] to accept your settings.

NOTE: Only still images can be captured when an external USB device is used.

3.9 Information

The Information section shows the current system configurations and event log of the camera. All your settings and camera history will be listed here.

Device Informtaion



System Log

3.10 Advanced Configuration When the Camera Is behind a NAT Router

If your camera is connected to a NAT router, you need to open a "Virtual Server" port for the camera in the router to allow remote network access. Here we use corega WLBARGMO wireless router as an example: (as the image below)-.

Step 1: Select the IP address and name of the camera

Step 2: Select a service, for example, HTTP.

Step 3: Enter the port range. The recommended port range is 80~80. If you have a second (or more) camera connected, you need to assign a different port range (can not use 80~80 again) for it. Besides, the port value has to be the same as the camera's HTTP port. (Please also refer to chapter 3.2.1)

Step 4: Select a protocol. "TCP" is recommended.

Step 5: You can add product description in the "Remark" column

Step 6: Click [Submit] after you enter all the information. You will then see the new entry in the Virtual Server list.

When you need to access the camera from a remote site, you may simply type http://Router's WAN IP: http port/ in your web browser's URL bar to get the live view page, for example, http://x.x.x.x:80/

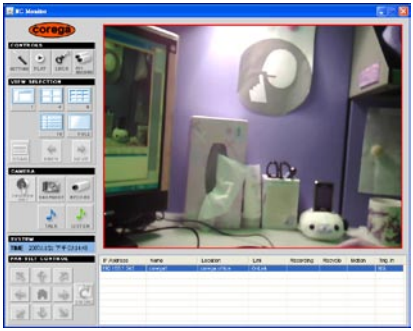
CG-WLNCV4G

NC Monitor

4. About NC Monitor

NC Monitor is a convenient and easy-to-use network camera management software. You can use this integrated application to access and control up to 16 cameras all at once, which allows you to monitor multiple places and record events effectively.

In this chapter, we will explain the basic functions of this software, particularly those for CG-WLNCM4G. Some advanced functions may not be available while using CG-WLNCM4G.



4.1 System Requirement

1 camera connected: Intel Pentium III 800MHz; 512MB RAM

2 ~ 4 cameras connected: Intel Pentium 4 1.3GHz; 512MB RAM

5 ~ 8 cameras connected: Intel Pentium 4 2.4GHz; 1GB RAM

9 ~ 16 cameras connected: Intel Pentium 4 3.4GHz; 2GB RAM

Resolution: 1024x768 or above

NOTE: When multiple cameras are connected at the same time, a higher performance computer is recommended.

4.2 Installation

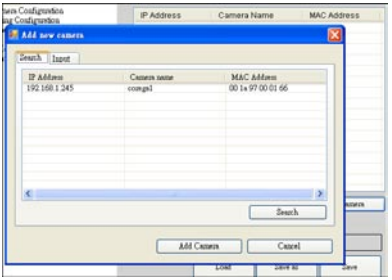
Please refer to chapter 2.2 for software installation.

4.3 Launching the Program

On your computer, please go to "Start" --> "Programs" --> "corega" --> "NCMonitor" to start the program. Please make sure your computer screen's resolution is at least 1024x768, otherwise the images shown on the live view screen may be distorted.

4.4 Adding a New Camera

To add a new camera, please click "SETTING" button on the top left side of the screen, and click [Add Camera]. The pop-up screen may show the current connected camera(s); if not, click [Search] to look for the new camera's IP address or click [Input] tab to add the IP address manually (default Port is 80). Click [Add Camera] to apply.



You may have to enter the user name and password of the new camera to complete the process. Once you click [OK], the newly added

camera will now display in the camera list, and the live image of that camera will show on the main page.

4.5 Functions Overview

4.5.1 Control Panel

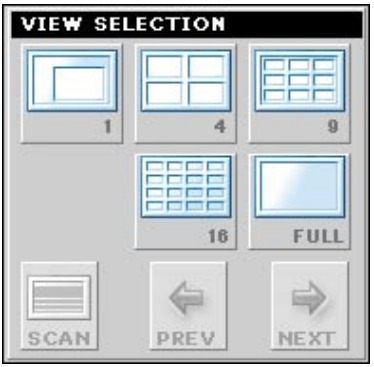
SETTING: Click to enter the Setting section of NC Monitor. Click again to return to the main screen.

PLAY: Click to play recorded video files using the media player on the computer (for example, Windows Media Player by default).

LOCK: Click to lock the camera controls. Click again to resume controls of the camera. If you have set an ID and Password in "SETTING" --> "Account", you will be asked to enter the required information to unlock.

ALL RECORD: Click to start recording video clips using all connected cameras. Click again to stop recording and save the files in the computer. If you only have one camera connected, this button's function is the same as "RECORD" button on Camera Panel described below.

4.5.2 View Selection



View Mode Buttons: NC Monitor provides multiple view options, including 1/4/9/16 windows and full screen mode. You can simply click on the button (1, 4, 9, 16 or Full) to switch to that mode. (To go back from full screen mode, please right click your mouse and click on "return")

SCAN: When you have multiple cameras connected, click this button to make each camera take turns displaying its live image.

PREV: When you have multiple cameras connected, click this button to switch the live view to the previous camera.

NEXT: When you have multiple cameras connected, click this button to switch the live view to the next camera.

To set the scanning interval period, go to "SETTING" --> "Other" --> "Time interval of scan option" and adjust the interval period from 1 to 20 seconds.

4.5.3 Camera Panel

TRIGGER OUT: The function is not available for CG-WLNCM4G.

SNAPSHOT: Click to capture a still image using the selected camera and save the file in the computer. (To set the recording file path, please go to "Setting" --> "Recording Configuration" --> "Recording File Path")

RECORD: Click to start recording a video clip using the selected camera. Click again to stop recording and save the file in the computer. (To set the recording file path, please go to "Setting" --> "Recording Configuration" --> "Recording File Path")

TALK: Click to allow the person at the camera's location to hear sounds and voices from your location. (You need to connect an external speaker to the camera when using this function, as the camera has no built-in speaker. Only one user is allowed to use this function at a time). Please note that this button is only available for cameras supporting 2-way audio (such as CG-WLNCM4G), and only one user is allowed to use this function at a time.

LISTEN: Click to receive sounds and voices from each camera's location.

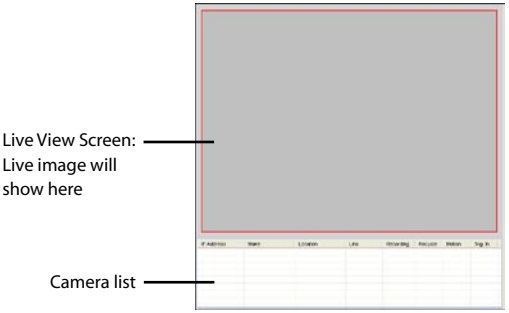
4.5.4 System

This section shows each camera's time and date.

4.5.5 PAN-TILT CONTROL Panel (unavailable for CG-WLNCM4G)

4.5.6 Live View Screen

This screen displays all connected cameras' live images.



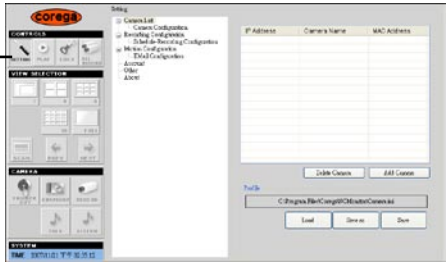
4.5.7 Camera List

This section displays all connected cameras' information (view mode is based on the selected viewing option).

4.6 NC Monitor Settings

Click "SETTING" button on the top left side to access the setup page.

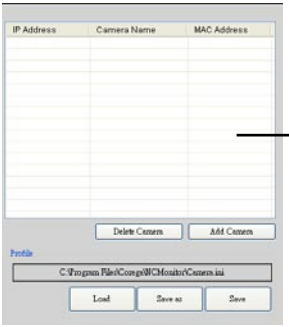
Click here to access the setting section



Make sure to have at least one camera connected before you start the setup. There are a few useful configuration options, including:

4.6.1 Camera List

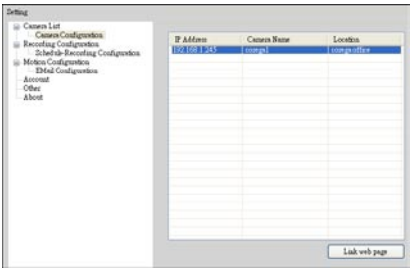
As we have done previously, here we can add a new camera by clicking [Add Camera]. To remove a camera, first click on the camera name shown in the camera list and click [Delete Camera].



A brief camera list is displayed here.

4.6.2 Camera Configuration

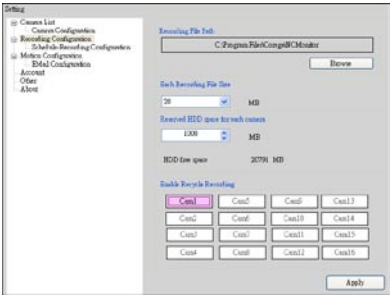
To view live images of one of the connected cameras on the web browser, please first select a camera and then click [Link web page] button. You may have to enter the user name and password of the camera to access the live view page and web configuration,



4.6.3 Recording Configuration

In addition to using [RECORD] and [ALL RECORD] buttons on the left panels to record video clips, NC Monitor also provides some advanced recording methods, such as scheduled recording and motion

triggered recording. Please first configure some basic recording settings here for each camera.



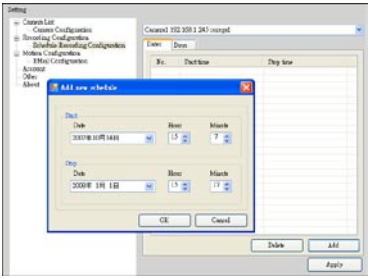
- **Recording File Path:** Click [Browse] to indicate a destination folder for your future recording files.
- **Each Recording File Size:** This option allows you to set a recording file size limit so the recording file will be divided into a new file automatically once the file reaches the specified size limit.
- **Reserved HDD space for each camera:** This option allows you to reserve certain storage space on the hard disk drive so your recordings will not go over the assigned limit.
- **Enable Recycle Recording:** Click on the camera number (Cam1, Cam2, Cam3…) to clear the recording files of that camera when the unreserved space of the hard disk drive is full.

4.6.4 Schedule-Recording Configuration

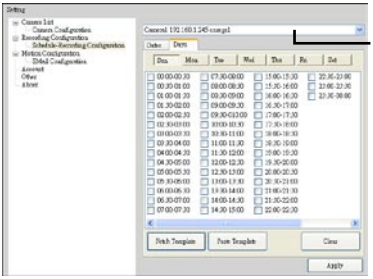
You can also set a schedule to record videos. The recording schedule can be defined by Dates or Days here.

- **Dates:** First select a camera from the pull-down list. Then, click [Add] to set the Start/Stop date and time and then click [OK] to add a new

recording schedule to the list. Click [Apply] to save the setting.

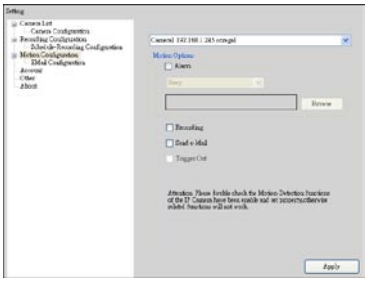


- **Days:** Click [Days] tab and assign a recording schedule. After selecting several time periods, you can click [Fetch Template] to copy the setting, and then click [Paste Template] to apply it to other weekdays. Click [Apply] to save the setting.



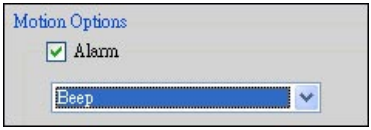
4.6.5 Motion Configuration

One of the recording methods is triggered recording by motion detection function. Here please first select a camera, and check the [Recording] box to enable automatic recording triggered by motions.



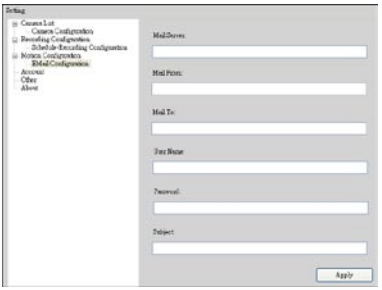
Besides, motion configuration also provides some useful motion triggered options, which includes:

- **Alarm:** From the pull-down menu select Beep or Music to alert you for motions detected. When Music is selected, you can customize it by clicking [Browse] and then choosing your favorite music (*.wav or *.mp3 file) in the computer.



- **Send e-Mail:** Select this option and the system will send an email to the specified receiver when a motion is detected. Once the option is selected, you have to complete the required email configuration.
- **Trigger Out:** This function is not available for CG-WLNCM4G.

4.6.6 Email Configuration



- **Mail Server:** Enter the mail server address, such as "hotmail.com".
- **Mail From:** Enter the email address of the user who will send the email, such as aloha@hotmail.com.
- **Mail To:** Enter the email address of the user who will receive the email.
- **User Name:** Enter the username to login to the mail server.
- **Password:** Enter the password to login to the mail server.
- **Subject:** Enter the title of the email.

4.6.7 Account

Set your own user ID and password so the next time someone needs to enter the ID and password to unlock the NC Monitor program and access the setting pages.

4.6.8 Others

You can specify the scanning interval time for the connected cameras.

4.6.9 About

Here shows the information of the application.

5. FAQ

When the installation fails or the connection does not work normally, it is recommended to take the following actions first:

(1) Find your problem in the FAQ section.

(2) Go to corega official website at http://www.corega-asia.com for the latest information of this product.

(3) Go to corega official website at http://www.corega-asia.com and click [Support] --> [Contact corega] and send your question via our customer service email. Please make sure to include the following information in your email:

- Product name: e.g. CG-WLNCM4G
- Firmware version: You can find the camera's firmware version at the information section of the live view page.
- Your ISP service name
- Operating system, such as Windows98/2000/XP
- WEB browser(Version), such as IE 5.5/6.0/7.0
- Network adapter manufacturer and its driver version
- Connection method, such as fixed IP, dynamic IP or PPPoE dial-up connection
- What is your problem and situation? e.g. unable to connect to the Internet.
- What is the error message or picture?

Q1. Why can't I connect to the camera with my web browser?

A: (1) Please check if you get the correct IP address of the camera. Please also make sure the camera's IP address locates in the same subnet as that of your router.

(2) Please double check if your camera has properly connected to the Internet.
(3) If your camera is behind a NAT router, you need to set up a vitural server for the camera on the router. Please refer to chapter 3.10 for the setting steps.

Q2. Why is a password required for accessing the camera?
A: To prevent unauthorized use, this product provides an authentication process which requires a user name and password set by the camera's administrator. If you do not have the administrator' s password, you may not change the camera's settings. However, you may access the live view page by using a general user's or a guest's password.

Q3. Why can't I see live images on my web browser?
A: (1) Please check if the camera has connected to a power outlet and been powered on properly.
(2) Please double check if your camera has properly connected to the Internet.
(3) Please check if your Internet is working normally. Sometimes it may take a while to load the live images when the network is busy.

Q4. Why does the live image look black and white, not full color?
A: (1) Please check the lighting condition surrounding the camera. If the night view mode is enabled when the environment is dark, the live image will be black and white instead of full color.
(2) Please check the camera's video setting. You may adjust the brightness, contrast, and saturation to get the favorable color.

Q5. Why does the live image look blurry?

A: (1) Please try cleaning the lens, and adjusting the focus ring.
(2) Please make sure the camera's lens is not too close to the target object. The camera may lose focus when it's too close to the object.

Q6. Why does it take so long for the live image to move/change?
A: (1) This may happen when the network connection is busy, especially when there are many cameras connected to the same computer at the same time, or when many users are accessing the same camera.
(2) Please also make sure if your computer meets the minimum system requirement when using the camera and NC Monitor.

Q7. Why can't I receive image from the camera in my email (or on FTP server)?
A: (1) Please first check if your SMTP server (or FTP server) is correctly configured.
(2) Please make sure your email account (or FTP server) is not full.

Q8. I forget the password and cannot access the camera. What can I do?
A: If you do not remember the administrator's password, you can restore the default factory settings by pressing the "reset" button on the back of the camera for a few seconds. The default user name is "root", and default password is left blank. Once you access the live view page, you can go to the setup section to re-set your use name and password again.

6. Specifications

Standard Wireless LAN	IEEE802.11, IEEE802.11b, IEEE802.11g, Wi-Fi (WPA2-PSK)
Frequency	IEEE802.11b 2.412GHz~2.472GHz IEEE802.11g 2.412GHz~2.472GHz
Roaming	Supported
Camera Sensor	1/4" Color CMOS sensor
Video Sensor Resolution	640 x 480 (approximately 300,000 pixels)
Video Compression	MPEG4/Motion JPEG selectable
Lens	Fixed focus, 4G, F2.8, f=4.5mm; Effective range: 200mm to infinity; Len focus range: 200mm to infinity
Image Frame Rate	MPEG4 Compression: 30fps@640 x 480 30fps@320 x 240 30fps@160 x 120 Motion JPEG Compression: 30fps@640 x 480 30fps@320 x 240 30fps@160 x 120
Power Adapter	Rated Input Voltage 100~240VAC Rated Output Voltage 5VDC
Temperature Requirement	Operating –0˚c~45˚c Storage –15˚c~60˚c
Humidity Requirement	Operating 20%~85% (non-condensing) Storage 0%~90% (non-condensing)
Dimension	71 (W) x 56.2(D) x 96(H) mm
Weight	165g

Federal Communication Commission Interference Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.
This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.
  This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference, and
(2) this device must accept any interference received, including interference that may cause undesired operation.

FCC Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

IMPORTANT NOTE:
FCC Radiation Exposure Statement:
This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. End users must follow the specific operating instructions for satisfying RF exposure compliance.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

IEEE 802.11b or 802.11g operation of this product in the U.S.A. is firmware-limited to channels 1 through 11.

This equipment has been SAR-evaluated for use in laptops (notebooks) with side slot configuration.

About corega

corega K.K. designs, develops and markets professional networking products that address the specific needs of small and medium enterprises and home user's easy-to-use, quality and reliable services of networking solutions requirements.

Established in 1996, corega 100% founded by Allied Telesis Group in Yokohama, Japan. corega's core products consists of 10/100/1000 Ethernet products, Wireless Networking Products (802.11 a/b/g series), broadband access routers, bluetooth series and other networking peripheral, such as IP camera and USB Phone.

Thank you again for purchasing corega's products. Wish you would enjoy the powerful and friendly corega connecting experience!

GO! Please take time to fill out the product registration form on http://www.corega-asia.com to receive the corega one-year product warranty service. Thank you for choosing corega!

PN: S30-UM4105-00 Rev.A

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GO! ▶ For more product information:
http://www.corega-asia.com