# Multifunctional Wireless Storage Router

# WL-700gE

# User Manual

(For 802.11g and 802.11b wireless network)

**E2393**

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# About this guide

This user manual contains the information you need when using the product, its chapters are as the following:

- **Chapter 1: Product introduction**

  Through its simple and easy descriptions and illustrations, this chapter guides you to explore the excellent features of WL-700gE that endowed by ASUS. You will soon be mastering in ASUS WL-700gE's various functions and features, including the product's appearence, functions, and basic operating skills.

- **Chapter 2: Connecting ADSL modem & installing the utilities**

  This chapter tells how to connect ADSL modem and to install the software.

- **Chapter 3: Configuring the wireless router**

  This chapter tells how to configure the wireless router.

- **Chapter 4: Wireless router features**

  This chapter tells how to use the special features of WL-700gE.

- **Chapter 5: Application features**

  This chapter tells how to use the software available along with the WL-700gE.

### Conventions used in this guide

To make sure that you perform certain tasks properly, take note of the following symbols used throughout this manual.

**Caution:** Information to prevent damage to the components when trying to complete a task.

**Note:** Tips and additional information to help you complete a task.

### Where to find more information

Refer to the following sources for additional information and for product and software updates.

1. **ASUS websites**

   The ASUS website provides updated information on ASUS hardware and software products. Refer to the ASUS contact information.

2. **Optional documentation**

   Your product package may include optional documentation, such as warranty flyers, that may have been added by your dealer. These documents are not part of the standard package.

# 1. Product introduction

## 1) System requirement

You will need the following items to set up a wireless network environment using WL-700gE:

1. An ADSL/Cable modern and an account for broadband service

2. A computer with a 10-Base-T or 10/100Base-TX Ethernet adapter (with a RJ-45 LAN port) pre-installed for connecting the LAN

3. A wireless client (such as a PDA or laptop computer) that has build-in 802.11g/b wireless connection, or has a 802.11g/b wireless LAN card

4. The computer and the wireless client must have installed TCP/IP protocol component and a Web browser

## 2) Package contents

- WL-700gE wireless router x 1
- White 2dbi antenna x 1
- Power cable x 1
- RJ-45 Ethernet cable (straight-through) x 1
- Utility CD (with User Manual) x 1
- Foot stand x 1
- User Manual x 1

## 3) Rear panel

### RESET

Push the RESET button for 10 seconds to restore the factory default.

### EZSetup

This button is for using EZSetup setting wizard.

## 4) Front panel

### PWR (Hard disk power indicator/ power switch)

| | |
|---|---|
| OFF | Hard disk unmounted or no power |
| ON | Hard disk mounted |

*Push this button and wait for 10 seconds to shut down the hard disk.

### COPY

This button is for copying the data in your USB storage to the hard disk of WL-700gE.

### READY

| | |
|---|---|
| OFF | No power |
| ON | The system is powered on and in ready state |
| Flashing slowly | USB storage inserted to the USB2.0 port |
| Flashing quickly | Copying data from USB storage |

### LAN (Local Area Network) 1-4

| | |
|---|---|
| OFF | No power |
| ON | An Ethernet device is connected to the port |
| Flashing | Transmitting data via wired LAN |

### AIR (Wireless LAN)

| | |
|---|---|
| OFF | No power |
| ON | Wireless LAN ready |
| Flashing | Transmitting data via wireless LAN |

### WAN (Wide Area Network)

| | |
|---|---|
| OFF | No power |
| ON | Connected to ADSL or Cable modem |
| Flashing | Communicating with WAN |

### USB2.0

For connecting USB storage, such as USB hard disk and USB flash.

# 2. Connecting ADSL modem and installing the utilities

## 1) Installing the utilities

1. Connect your WL-700gE wireless router to your ADSL or Cable modem. Refer to the illustration below to wire your network devices.

2. Insert the support CD into the optical drive of your computer to run the utility installation program. Select your language and click **Install ASUS Wireless Router Utilities** to install. Follow the instructions to complete the utility installation.

3. On the Welcome window, click **Next** to start the installation.

4. Select the installation type, then click **Next**. (For non-advanced users, we suggest using “Complete” installation.

5. Click "**Next**" on the Choose Destination Location screen to continue installation, or click "**Browse**" to choose another destination location for the software that will be installed in your computer.

6. Select a folder among the folder list in the text box on the screen, or type a new folder name in the text bar, then click "**Next**".

   Setup will add program icons to the folder your choosed or created.

7. The program is being copied into your computer. This may takes several minutes to complete.

8. Click Finish to complete the installation process.

## 2) Setting up the wireless router using EZSetup

Before start, prepare an Ethernet and wireless enabled computer with ASUS utility pre-installed.

1. Press the EZSetup button on the rear panel of the wireless router until the READY LED indicator is flashing.

If you use wireless connection for EZSetup and find the connection is not stable, use wired connection instead EZSetup.

2. Launch the EZSetup utility by clicking **Start -> ASUS Utility -> WL-700gE Wireless Router -> EZSetup Wizard**.

3. Click the **EZSetup** button in the utility to search for WL-700gE Wireless Router. This action takes several seconds.

4. A window prompts out asking for the encryption mode you want to use. If you want to use WPA, select **Yes**; to use WEP, select **No**.

5. If it is the first time you set up the wireless router, the screen below appears. You can manually setup the SSID and network key for the wireless router or accept the automatically generated values. Click **Next** to continue.

If you have configured the wireless router before, the screen below appears. You can choose to modify the SSID and network key or preserve the previous settings. Click **Next** to continue.

6. To connect your Internet Service Provider (ISP), select **Config ISP settings**. Click **Next** to set up ISP information.

7. Select the connection type of your ISP service and click **Next** to fill in the ISP information.

According to the requirements of ISPs, you may need to input information such as IP address, username, and password. Refer to your ISP for detailed setup information.

8. This page is for setting up network mass storage. Specify a drive letter for the hard disk in WL-700gE and check **Create shortcut on desktop**, then click **Next**.

9. Wait for several seconds to complete the setup. Click **Print/Save wireless LAN settings** for future reference. Click **Finish** to quit EZSetup.

Save and print network information is highly recommended for future wireless connection setup.

When configuration is complete, a **700gE share folder** icon appears on desktop.

You can connect to WL-700gE from a wireless-enabled computer. Make sure the wireless card driver is correctly installed and the card functions normally.

1. Click **Control panel** -> **Network connection**, right-click the wireless icon -> **Property** -> **Wireless Network** tab. Select WL-700gE and click **Connect** button.

2. If you have setup WEP encryption for your wireless router, you need to fill the WEP keys into the **Network Key** field for connecting the router. Click **OK** to continue.

3. For authentication setup, select **Authentication** tab. If you have a RADIUS server in your network for authentication, check **Enable IEEE80.211X authentication to this network**.

# 3. Configuring the wireless router

**Note: 1) Before you start, we recommend using a wired connection for initial configuration, which will avoid possible setup problem due to wireless uncertainty. 2) ASUS also provides an EZSetup button for fast wireless configuration. If you prefer EZSetup to arrange for your wireless network configuration, please refer to chapter 6 for more information.**

The ASUS Wireless Router can be configured to meet various usage scenarios. Some of the factory default settings may suit your usage; however, others may need changing. Prior to using the ASUS Wireless Router, you must check the basic settings to guarantee it will work in your environment. Configuring the ASUS Wireless Router is done through a web browser. You need a Notebook PC or desktop PC connected to the ASUS Wireless Router (either directly or through a hub) and running a web browser as a configuration terminal. The connection can be wired or wireless. For the wireless connection, you need an IEEE 802.11g/b compatible device, e.g. ASUS WLAN Card, installed in your Notebook PC. You should also disable WEP and set the SSID to “default” for your wireless LAN device. If you want to configure the ASUS Wireless Router or want to access the Internet through the ASUS Wireless Router, TCP/IP settings must be correct. Normally, the TCP/IP setting should be on the IP subnet of the ASUS Wireless Router.

**Note: Before rebooting your computer, the ASUS Wireless Router should be switched ON and in ready state.**

## 1) Wired connection

One RJ-45 cable is supplied with the ASUS Wireless Router. Auto crossover function is designed into the ASUS Wireless Router so you can use either straight-through or crossover Ethernet cable. Plug one end of the cable into the WAN port on the rear of the ASUS Wireless Router and the other end into the Ethernet port of your ADSL or Cable modem.

## 2) Wireless connection

**Note: If configuration is done via wired connection, ignore this.**

Refer to your wireless adapter user’s manual on associating with the ASUS Wireless Router. The default SSID of the ASUS Wireless Router is “ default” (lower case), encryption is disabled and open system authentication is used.

## 3) Setting IP address for wired or wireless connection

### Getting IP address automatically

The ASUS Wireless Router incorporates a DHCP server so the easiest method is to set your PC to get its IP address automatically and reboot your computer. So the correct IP address, gateway, DNS (Domain Name System Server) can be obtained from the ASUS Wireless Router.

**Note: Before rebooting your PC, the ASUS Wireless Router should be switched ON and in ready state.**

### Setting IP address manually

If you want to set your IP address manually, the following default settings of the ASUS Wireless Router should be known:

- IP address 192.168.1.1
- Subnet Mask 255.255.255.0.

If you set your computer's IP manually, it needs to be on the same segment. For example:

- IP address 192.168.1.xxx (xxx can be any number between 2 and 254 that is not used by another device)
- Subnet Mask 255.255.255.0 (same as the ASUS Wireless Router)
- Gateway 192.168.1.1 (this is the ASUS Wireless Router)
- DNS 192.168.1.1 (ASUS Wireless Router IP address or your own).

## 4) Configuring the wireless router

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Enter the following address in your web browser: http://192.168.1.1

❷

**Defaults**

User name: **admin** Password: **admin**

❸

After logging in, you will see the ASUS Wireless Router home page.

The homepage displays quick links to configure the main features of the router.

Select [Configuration] from the main manual to display the configuration screen.

❶

Select your time zone or the closest region. Click **Next** to continue.

❷

ASUS wireless router WL700gE supports five types of ISP services— cable, ADSL (PPPoE, PPTP, static IP address), and Telstra BigPond. Since each service has its own protocols and standards, therefore, during the setup process, there are different identity settings demanded by WL-700gE. Select the correct connection type. Click **Next** to continue.

## Cable user

If you are receiving services from cable or other ISP assigning IP addresses automatically, please select **Cable Modem or other connection that gets IP automatically**. If you are using cable services, your ISP may have provided you with hostname, MAC address, and heartbeat server, if true, please fill these information into the boxes on the setting page; if not, click **Next** to skip this step.

## PPPoE user

If you are PPPoE service user, please select the second line. You would be required to input the username and password provided by your ISP.

## PPTP user

If you are using PPTP services, you would be asked to input the username, password, as well as IP address provided by your ISP.

## Static IP user

If you are using ADSL or other connection type that uses static IP addresses, please select the fourth line, then input the IP address, subnet mask, and default gateway provided by your ISP. You could choose to specify certain DNS servers, or select to get DNS automatically.

After setting the connection type, you are to set up your wireless interface,. First, give an SSID (Service Set Identifier), which is a unique identifier attached to packets sent over WLANs. This identifier emulates a password when a wireless device attempts communication on the WLAN. Because an SSID distinguishes WLANs from each other, access points and wireless devices trying to connect to a WLAN must use the same SSID.

If you want to protect transmitted data, select a middle or high Security Level.

**Medium :** only users with the same WEP key are to connect to this access point and to transmit data using 64bits or 128bits WEP key encryption.

**High:** only users with the same WPA pre-shared key are to connect to this access point and to transmit data using TKIP encryption.

The ASUS wireless router configuration page features a convenient approach to setup the WEP Keys: with only a few taps on your keyboard to define the Passphrase, the system will automatically generate four strings of WEP Keys. For ASUS wireless adaptor users, it is no longer necessary to input long and complicated WEP Keys when connecting the router with the wireless client; the Passphrase provides an easy way for setting up your wireless environment!

For example, if we input select WEP-64bits encryption mode, input 11111 as Passphrase, then the following WEP Keys are generated as shown in the right picture. Record the Passphrase and the WEP keys on your notebook, then click Save.

Click **Finish** to continue. You are prompted to save the settings. Click **Save&Restart** to save the settings to the ASUS Wireless Router and enable the new settings.

**ASUS One Touch Wizard**

Next we are to setup encrypted wireless connection for wireless router and wireless client. If you have installed ASUS wireless adaptor as well as the utility, click **Start -> Programs -> ASUS Utility-> WLAN Card -> One Touch Wizard** to open the connection setup utility on your computer.

1. Select **Connect to an existing wireless LAN (Station)** when the welcome window appears, then click **Next**.

2. ASUS ONE TOUCH WIZARD searches and displays all the available stations as shown in the picture. Select WL700gE and press **Next** to continue.

3. The setup wizard then asks for encryption setup. Set Key Length as **64 bits (10digits)** as we have previously set on WL-700gE, then select **Automatic Generation** and input **11111** into the Passphrase box.

4. Wait for several seconds to get the client connected to the wireless router. Then a screen informing the result of the connection would appear. Press Next to continue.

5. Then you will see the IP configuration screen. Setup the client IP address according to your network condition. After the setup is completed, Click **Finish**.

5. Then you will see the IP configuration screen. Setup the client IP address according to your network condition. After the setup is completed, Click **Finish**.

**Windows Zero Config service**

For non-ASUS wireless adaptor users, you can set up the wireless connection between your computer and the wireless router with Windows® Zero-Configure function.

1). Right click the **My Network Places** on the desktop of your client and click **Property**, then in the Network Connection window, double-click **Wireless Network Connection** icon, a window with all available stations appears. Select WL700gE and click **Connect**.

2). The connection process would take about several seconds.

Then a window prompts out asking you to input the network keys, input the 10-digit key you have previously recorded in your notebook, then click connect to complete connection.

7. Configuring advanced features

To adjust other settings, click on items on the menu to reveal a submenu and follow the instructions to setup the ASUS Wireless Router. Tips are given when you move your cursor over each item.

**Note: To setup your wireless router, please refer to the user's manual in the support CD.**

# 4. Wireless Router features

## 1) Setting up wireless encryption

WL-700gE provides a set of encryption and authentication methods to meet the different demands of home, SOHO, and enterprise users. Before setting up encryption and authentication for WL-700gE, contact your network administrator for advice.

Click **Wireless -> Interface** to open the configuration page.

### Encryption

The encryption modes supported by WL-700gE are: WEP (64bits), WEP (128bits), TKIP, AES, and TKIP+AES.

**WEP** stands for Wired Equivalent Privacy, it uses 64bits or 128bits static keys to encrypt the data for wireless transmission. To setup WEP keys, set **WEP Encryption** to **WEP-64bits** or **WEP-128bits**, then manually type in four sets **WEP Keys** (10 hexadcimal digits for 64-bit key or 26 hexadcimal digits for 128-bit key). You can also let the system generate the keys by entering a **Passphrase**.

**TKIP** stands for Temporal Key Integrity Protocol. TKIP dynamically generates unique keys to encrypt every data packet in a wireless session.

**AES** stands for Advanced Encryption Standard. This solution offers stronger protection and increases the complexity of wireless encryption.

**TKIP+AES** is used when both WPA and WPA2 clients co-exist in the wireless network.

### Authentication

The authentication methods supported by WL-700gE include: Open, shared key, WPA-PSK, WPA, and Radius with 80.211x.

**Open:** This option disables authentication protection for wireless network. Under Open mode, any IEEE802.11b/g client can connect to your wireless network.

**Shared:** This mode uses the WEP keys currently in use for authentication.

**WPA and WPA-PSK:** WPA stands for WiFi-Protected Access. WPA provides two security modes: WPA for enterprise network, and WPA-PSK for home and SOHO users. For enterprise network, WPA uses the already existing RADIUS server for authentication; for home and SOHO user, it provides Pre-Shared Key (PSK) for user identification. The Pre-Shared Key consists of 8 to 64 characters.

**Radius with 802.1X:** Similar with WPA, this solution also uses RADIUS server for authentication. The difference lays on the encryption methods: WPA adopts TKIP or AES encryption methods, while Radius with 802.1X does not provide encryption.

When authentication and encryption are set, click **Finish** to save the settings and restart the wireless router.

## 2) Setting up a virtual server in your LAN

Virtual Server is a kind of technology which enables a computer to receive specialized packets from network. It is to assign a certain host to act as a link between inner LAN and outside Web, FTP server.

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Click **Virtual Server** in NAT Setting folder to open the NAT configuration page.

❷


Select **Yes** to enable virtual server. For example, host 192.168.1.100 is set as virtual server with its ports 20,21 (FTP) accessible to outside users. Therefore, FTP requests from outside users would be forwarded to the host.

❸


Click **Finish**.

❹


Click Save & Start to restart the router and apply the settings.

## 3) Setting up virtual DMZ in your LAN

To expose an internal host to the Internet and make all services provided by this host available to outside users, enable Virtual DMZ function to open all ports of the host. This function is useful when the host plays multiple roles such as HTTP server and FTP server. However, in doing this, your network becomes less secure.

1. Click **Virtual DMZ** in the NAT Setting menu.

2. Enter the IP address of the host and click **Finish**.

3. Click **Save & Restart** to restart the wireless router and activate the settings.

## 4) Setting up DDNS

For static IP users who need to make a host or server available to Internet users, they need to have a static IP address and register a domain name for easy memory. However, dynamic IP user cannot map their address to DNS server because their IP addresses keep changing. To solve this problem, WL-700gE provides Dynamic DNS (DDNS) function. DDNS enables dynamic IP users to map the domain name to dynamic IP address by a registered account. To realize this function, you must first register at DDNS service provider, such as DynDNS.org.

1. Enter the Web configuration page of WL-700gE and click **Advanced Settings** at the upper right corner. Then click **IP Config -> Miscellaneous** in the left side menu. Select **Yes** to enable DDNS client and select a DDNS server. (See figure on next page)

2. If you do not have a DDNS account, you can apply for a free trial account at DynDNS.org. Click **Free Trial** to open the registration page of DynDNS.org.

**Note: Before rebooting your computer, the ASUS Wireless Router should be switched ON and in ready state.**

3. After you click **Free Trail,** you are directed to registration page of DynDNS. Check the two checkboxes as shown in the picture below.

4. Scroll down and enter the Username you want to use for your account, such as "account". Enter your E-mail address to receive the confirmation letter from DynDNS. Enter the Password for your account. Then press Create Account button.

5. After pressing Create Account you can see a message telling you that a confirmation letter has been sent to your e-mail address. Open your mail box to check the mail.

6. Check your mail box for the confirmation letter, open the mail and click the link to re-enter the DynDNS registration page and activate your account.

7. Click Login.

8. Input username and password to login.

9. After logging in, you can see this welcome message.

10. Select Services tab.

11. Click Add Dynamic DNS Host.

12. Enter the host name then click Add Host.

13. Your hostname is successfully created.

14. Return to WL-700gE DDNS configuration page. Enable DDNS Client, set “Server” to WWW.DYNDNS.ORG and input your user name, password and host name to the fields. Click Apply to activate the settings.

15. To test whether DDNS functions or not, ping the domain name to see whether your host is accessible. Click Start -> Run... -> type cmd, and enter the command line interface.

16. Type ping account.dyndns.org and press Enter. If you get reply from a certain IP address, it means your host is accessible from Internet.

## 8) Setting up bandwidth management

Bandwidth Management provides a mechanism to setup bandwidths according to different IP address and/or port on WL700gE. You could assign a bandwidth, including minimum bandwidth and maximum bandwidth, to a fixed IP address and/or a fixed port for download streams. You could also define upload bandwidth through proper configuration to NAT settings.

1. Enter the Basic Config page in Bandwidth Management folder in WL700gE web-based configuration interface.

2. Enable Bandwidth Management function.

3. Download stream

If we want to limit the download bandwidth of 192.168.1.6 within a range from 100 to 200kbps, we just need to fill in the IP address, the maximum and the minimum speeds in the download policy list. The minimum bandwidth applies when the network is crowded with streams of other users. If the minimum speed is defined, the client could, regardless of the network conditions, receive a guarantee of transmit speed of 100kbps at least.

1) If we are to define the FTP download speed on all clients, we are just to leave IP address box blank, fill the **Port** with "21" and define proper speeds. Port 21 is reserved for FTP downloading.

Then click **Add** to apply.

2) For setting up bandwidth policy for web access, please input "80" as the port number and define proper speeds.

3) For defining a bandwidth rule for a particular client, please input the IP address of the client and define the service by inputting the port number of the service, then set up proper speeds.

4) For configuring the rest applications on other clients, please leave IP address and port blank, and fill in proper speed that will apply to all other services.

4. Upload stream

About upload stream control on certain port, for example, we are to limit the upload bandwidth of port 2100 of 192.168.1.2 within 10-80kbps, we shall first set up NAT policy by entering Virtual Server Page in NAT folder.

Enable the Virtual Server and then add the rule to Virtual Server list.

Press **Apply** button.

Then get back to the Upload Policy List in Bandwidth Management setting page, define the port as "2100", Max. as "80", Min. as "10".

Press **Finish** button.

Press **Save & Restart** to reboot the system and apply the settings.

# 5. Utilities feature

## 1) USB auto copy function

Follow the steps below to copy files from your USB storage to the hard disk in WL-700gE. The files are saved under the **USBCopy** directory.

1. Plug the USB storage to the USB2.0 port of WL-700gE.

2. Wait for several seconds until the **READY** LED indicator flashes slowly. Press the **COPY** button on the front panel and the LED flashes quickly. This means WL-700gE is copying data from your USB storage. When the LED stops flashing and stays ON, it means data duplication is complete.

## 2) Wireless data sharing

This sections describes how to share the files in WL-700gE hard disk to your LAN users.

1. Connect a computer to WL-700gE and open the Web browser. Input **192.168.1.1** (the default IP address of WL-700gE) in the address box and press Enter..

2. Login to the WL-700gE Web configuration interface. Login Name: **admin**; Password: **admin** (default).

3. Click **Configuration** to enter Web configuration page.

Step 4 and 5 are for first configuration. Skip step 4 and 5 if you have configured the wireless router via EZSetup.

4. Click **Advance Setting** and select **Basic.** If you want to disable encryption, set **Wireless Mode** to **Auto** and **WEP Encryption** to **None**. Click **Apply** and skip to step 6. If you want to enable encryption, go to step 5.

5. To enable encryption protection, set **Authentication** method to WEP 64-bits, WEP 128-bits, or WPA. For WEP encryption, you need to input four WEP keys (10 hexadecimal digits for WEP-64bits; 26 digits for WEP-128bits). You can also let the system generate the WEP keys by inputting a **Passphrase**. Take down all keys and passphrase in your note.

6. Double-click the **700gE share folder** short cut on your desktop to access WL-700gE share space. Copy the files you want to share into the share folder.

## How to download the shared documents

1. Connect your computer to WL-700gE, open **My Network place** and click **view workgroup computers** (make sure WL-700gE and your computer are within the same workgroup, the default workgroup of WL-700gE is WORKGROUP).

The default workgroup setting of WL-700gE is Workgroup. If your computer and WL-700gE are not within the same workgroup, you cannot find WL-700gE from your computer. Set WL-700gE within your workgroup by modifying the workgroup settings in **Share Management -> Windows Setup** page.

2. Double-click the WL700gE icon to enter the share folder. The files you copied from the USB storage are saved in **USBCopy** directory and are listed by time/date.

# 3) Download Machine

You can use Download Master function in ASUS Utility to organize HTTP, FTP, and BT download tasks..

1. Open Download Master from Start -> All Programs -> ASUS Utility -> WL-700gE Wireless Router -> Download Master. Click **File -> Connect** to associate with WL-700gE.

2. **HTTP download (1)**

   Right-click the download link on the Web page and select **Download using ASUS Download**.

### HTTP download (2)

Right click the download link on the Web page and select **Properties.** Copy the download **Address (URL)**.

If you select **Download using ASUS Download**, you can see the download task is added to the **Transfer** list. The blue bars indicate the progress of download tasks.

If you copy the download address, click **Assign** button in the utility. Paste the address into **Getting File From** box, select **HTTP** from Option, and click **Download** button to start.

3. **FTP download**

Click **Transfer** button of the Download Master and select **FTP** in the Options field. Input the FTP site address, Port number, User Name, Password. Click **Download** to start.

4. **BT download**

Save the BT seed on your computer. Click **Transfer** button of the Download Master and select **BT** in the Options field. Click **Browse** to locate the seed file and click **Download** to start.

5. Click **Folder** button to view the download file. Open the **Complete** folder to view or copy the finished files to your local hard disk. The incomplete tasks are kept in **InComplete** folder.

# 4) Sharing photos on your Website

You can upload your photos to WL-700gE to share them with your friends.

1. Click Start -> All Programs -> ASUS Utility -> WL-700gE Wireless Router -> Photo Album Exporter to open the photo upload utility.

2. Name your new album and add descriptions to the album. Click **Next** to continue.

3. Click **Add** to add photos from your local hard drive.

4. Locate the photos you want to upload and browse them in the preview window. Select the photos you want to upload and click **Add**.

5. The photos you have selected appear in the lower window, click the arrows to adjust the sequence of the photos. Click **OK** to continue.

6. Click **Description** to add description for individual photos. Click **Next** to continue.

7. The utility starts to upload the photos, this action takes several seconds.

8. Login your Web configuration interface. Login Name: **admin**; Password: **admin** (default).

9. Click **Personal Webpage**.

10. You can see the album is already added to you personal website. To view the photos, click the album.

11. Your friends can view these photos and leave comments to them.

# 5) Setting up the Message Board

You can create your own Blog site by setting up the Message Board to share you stories to your friend.

1. Click **Login** at the lower left corner.

2. Login Name: **admin**; Password: **admin**. Click **Login** to enter the website home page again.

3. Click the Message Board tab and click **New topic**.

4. Input the subject for discussion and click **Add**.

5. When finished, click **Add Message** to enter the subject and leave a message.

6. Input your information to the fields and write your message in the Message box. Click **Submit** to send out the message.

7. Your message board is ready.

# 6) Webcam

The ASUS Wireless Router implements several applications for a USB Web camera, enabling you to capture images and send them over the Internet. For this function, you need to plug a USB camera onto WL-500W and enable ActiveX for your Web browser.

## Web camera

1. Click **Web Camera** page in USB Application folder.
2. **Enable Web Camera** - Selecting LAN Only enables Web Camera for LAN users. Selecting LAN and WAN enables Web Camera for both LAN users and WAN users through firewall.

**Web Camera Mode** - Select the appropriate camera mode from the drop down list. ActiveX Only enables user to execute ActiveX clients on an Windows® IE platform and get the best image quality. ActiveX and Refresh enables user to get a basic image on both IE and other browsers. Refresh Only provides to all users still images which are refreshed in a specified interval.

**Web Camera Driver** - When you plug a supported Web Camera into the USB2.0 port in the wireless router, the appropriate driver is selected automatically. Refer to the USB Web Camera support list on ASUS Website (www.asus.com) for supported Web Camera models.

**Image Size** - Select the image size from the drop down list. 320 x 240 provides a larger image while 160 x 120 provides faster transmission. Click Preview to see the effect.

**Sense Level** - This field indicates the sensitivity at which image movement is detected.

**Refresh Time in Seconds** - This field indicates the time interval in seconds in which the system reloads images. The range of values is 1~65535.

**HTTP Port** - This field indicates the port that HTTP server listens on to communicate. For example, by default, you can connect to your web camera by using http://192.168.1.1:7776 without password checking. (The password checking field is unchecked.)

**ActiveX Port** - This field indicates the port that server listens on to communicate with ActiveX clients.

## Enabling ActiveX for your IE

If you use Internet Explorer®, you need to enable ActiveX or the Web Camera cannot function properly. For clients using Netscape or other browsers, ignore this part.

1. Open Internet Explorer 5.0 or above on your computer, click **Tools -> Internet Options**.

3. Select **Security** tab and click **Custom Level** button.

4. Enable the activeX controls and plug-ins. By default, these items are disabled.

5. By default, these three items are enabled. Enable them if changed.

6. Click **Yes** to change the security settings.

## Enable Web Camera to WAN users

With proper setting to DDNS, you can monitor your working environment from anywhere on Internet, even if dynamic WAN IP address is used. If any motion is detected by the camera, WL-700gE captures the images and send them to your appointed E-mail box.

1. **Enable Security Mode?** -Select Yes to enable security function on the data and time you set below.

**Date to Enable Security Mode** -
This field defines the date that Security Mode is enabled.

**Time to Enable Security Mode** - This field defines the time interval that Security Mode is enabled.

**Send to** - Input the E-mail address you wish WL-700gE send the image to.

**Email Server** - This field indicates the E-mail server you use for exchanging E-mail. If you leave this field blank, WL-700gE uses the mail server of your E-mail address in **Send to** field.

**Subject** - This field is for the subject of E-mail.

**Attach Image File?** - This field allows you to attach the captured image in the E-mail.

## Remote monitors

This function allows you to monitor up to 6 Web Cameras in your LAN. You can enter the IP addresses of other ASUS Wireless Routers which have Web Camera attached.

**Note:** When enabling "LAN and WAN" remote control in the Wireless Router, packets from Internet with destination ports 8081 to 8086 will be forwarded to WL-700gE in Remote Control fields. To make sure packets from WL-700gE are routed back to Internet, you need to set a static route entry for WL-700gE. The IP address and gateway address are same as the address of WL-700gE.

**Remote Site 1-6** - This field stands for the IP address and port number of Remote Site. The value of this field is [IP Address]:[Connection Port].

**Preview** - Click Preview to see the view of all the Web Camera sites you set in Remote Site.

## 7) Setting up shared printer

You can connect a USB printer to the USB2.0 port on WL-700gE Wireless Router and share the printer within your network. Follow the steps below to setup your shared printer on your .

1. Connect a USB printer to the USB2.0 port of WL-700gE. Make sure the printer is powered ON.

2. Enter the Web configuration page of WL-700gE. Click **Applications -> Printer**. You can see your printer is recognized by WL-700gE.

3. Open a Web browser window and type **//192.168.1.1** then press **Enter**. You can see the printer icon. Double click the printer icon.

## Setting up printer client under Windows XP

Follow the steps below to install network printer on your clients.

1. Run Add Printer Wizard from **Start -> Printers and Faxes -> Add a printer**.

2. Select **Local printer attached to this computer** and click **Next**.

3. A warning window prompts out. Click **OK** to continue.

4. Select the printer driver from the vendor-model list and click **Next** to install. If your printer is not in the list, click **Have Disk** to locate the driver.

5. Click **Next** to accept the default name for the printer.

6. Select **Yes** to print a test page. Click **Next** to print.

7. The installation is complete. Click **Finish** to quit the Add Printer Wizard.

8. The printer is ready for share.

# 5. Troubleshooting

## 1). Cannot access to web browser for router configuration

1. Open a web browser and open "Internet Options" dialog box.

2. Click on "Delete Cookies" and "Delete Files".

## 2). Cannot Establish Connection via Wireless

### Out of Range:

Put the router closer to the client.

Check and change the channel setting.

### Authentication setting mismatch:

Use a Ethernet enabled computer to connect the wireless router.

Check the wireless security setting, or do a hard reset on the router.

### Couldn't find the router:

Do the hard restore on the router and search again.

Check the settings in the wireless adapter, such as SSID and encryption setting.

## 3). Cannot get access to the Internet via wireless LAN adapter

Move the router closer to the client.

Check whether the wireless adapter is connected to the correct AP.

Check whether the wireless channel in use conforms to the channels available in your country/ area.

Check the encryption settings on both router and client.

Check whether the ADSL cable is plugged to the WAN port.

Retry by another Ethernet cable.

## 4). Internet is not accessible

Check the LED indicators on ADSL modem and the wireless router.

Check whether the "WAN" LED on the wireless router is ON. If the led is not ON, change an Ethernet cable and try again.

### When ADSL Modem "Link" light is on (not blinking), this means Internet Access is Possible.

Restart your computer.

Reconfigure the settings for ASUS Router and please refer to the Quick Setup Guide of the WL-700gE.

Check whether the WAN LED on the router is on or not.

Check wireless encryption settings

Check whether the computer can get the IP address or not. (via both wired network and wireless network)

Check whether your Web browser is configured to use the local LAN, and is not configured to use a proxy server.

### If the ADSL "LINK" light blinks continuously or stays off, Internet access is not possible - the Router is unable to establish a connection with the ADSL network.

Check that your cables are connected properly.

Disconnect the power cable from the modem, wait a few minutes, then reconnect the cable.

If the ADSL light continues to blink or stays off, contact your ADSL service provider.

## 5). Network name or encryption keys are unknown

Try to setup the wired connection for setup the wireless encryption again.

Do the hard reset to the router.

## 6). How to reset to defaults

The following are factory default values. These values will be present when you first receive your ASUS Wireless Router, or if you push the restore button on the back of the ASUS Wireless Router over 5 seconds, or if you click the “Restore” button on the “Factory Default” page under “ Advanced Setup” in the Web Management interface.

| | | | |
|---|---|---|---|
| User Name: | admin | Subnet Mask: | 255.255.255.0 |
| Password: | admin | DNS Server 1: | 192.168.1.1 |
| Enable DHCP: | Yes (if plug in Wan cable) | DNS Server 2: | (Blank) |
| IP address: | 192.168.1.1 | SSID: | default |
| Domain Name: | (Blank) | | |

## Six simple steps of trouble-shooting

1. Power ON the WL-700gE Wireless Router and make sure the LED indicators light up normally.

2. Make sure the ASUS Wireless Router Utility is correctly installed.

3. Ping WL-700gE at your computer. Click **Start** on the desktop and select **Run...**, type **cmd** and press **OK**. Then type **ping 192.168.1.1** and press **Enter**. If ping times out, it means the router could not been reached by your computer. You need to reset the router if you do not remember the IP address.

4. Press the RESET button on the rear panel for more than 5 seconds.

5. Check whether you can access the Web configuration page of WL-700gE and set up features via Web interface.

6. Check whether you can configure the wireless router and access Internet via wireless.