



# Wireless Router

## WL-700gE

### Quick Start Guide

(For 802.11g and 802.11b wireless network)



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## About this guide

This quick start guide contains the information you need for installing and configuring the wireless router.

## How this guide is organized

### Chapter 1: **Product introduction**

This chapter describes the features of WL-700gE Wireless Router

### Chapter 2: **Software**

This chapter tells how to setup the basic functions and features of WL-700gE.

### Chapter 3: **Troubleshooting**

This chapter provides solutions to possible problems you may encounter during setting up and using WL-700gE.

## Conventions in this guide

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



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**Warning:** Information to prevent injury to yourself when trying to complete a task.

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

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

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## Where to find more information

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

### 1. **ASUS website**

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 Introduction

## 1.1 System requirement

To use the WL-700gE Wireless Router, you must have:

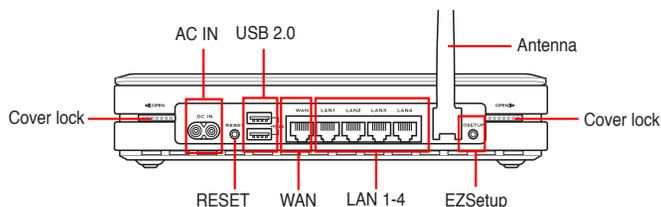
- An ADSL or Cable modem and an account for these service;
- A computer with an Ethernet adapter pre-installed for connecting the local area network (LAN);
- A wireless client with a pre-installed 802.11b/g wireless adapter, such as PDA or notebook computer;
- Your computer and the wireless client must have installed TCP/IP protocol component and a Web browser.

## 1.2 Package content

Check your wireless router package for the following items:

- WL-700gE Wireless Router x 1
- White antenna (2dbi) x 1
- Power cable x 1
- RJ-45 Ethernet cable (straight-through) x 1
- Support CD (with full version user manual) x 1
- Router stand x 1
- Quick start guide x 1

## 1.3 Rear panel



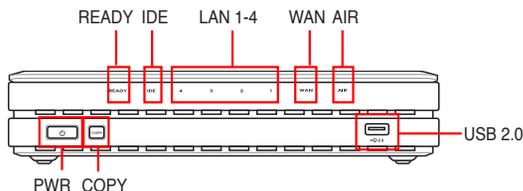
### RESET

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

### EZSetup

This button is for using EZSetup setting wizard.

## 1.4 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           |

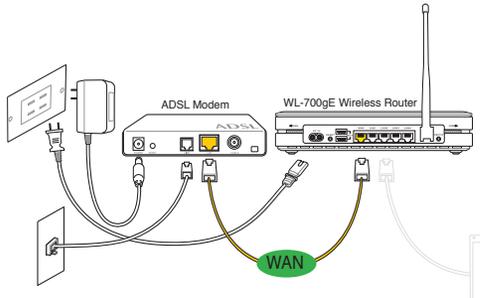
### USB2.0

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

## 2 Software features

### 2.1 Installing ASUS utility for WL-700gE

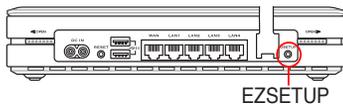
1. Connect your WL-700gE wireless router to your ADSL or Cable modem. Refer to the illustration below to wire your network devices.
2. Insert the support CD into the optical drive of your computer to run the utility installation program. Select your language and click **Install ASUS Wireless Router Utilities** to install. Follow the instructions to complete the utility installation.



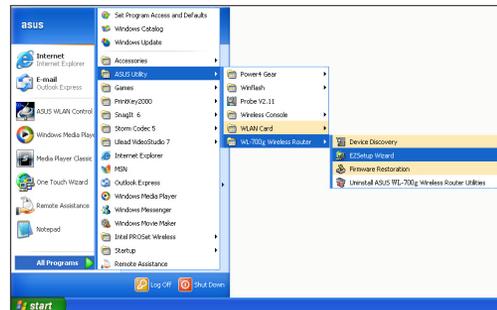
### 2.2 Setting up the wireless router using EZSetup

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



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



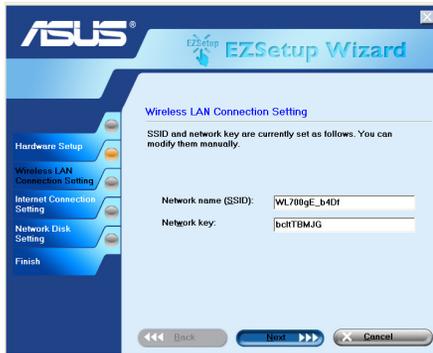
3. Click the **EZSetup** button in the utility to search for WL-700gE Wireless Router. This action takes several seconds.



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.

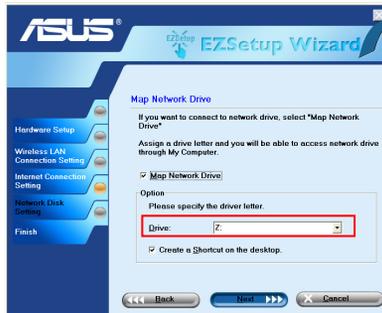


7. Select the connection type of your ISP service and click **Next** to fill in the ISP information.

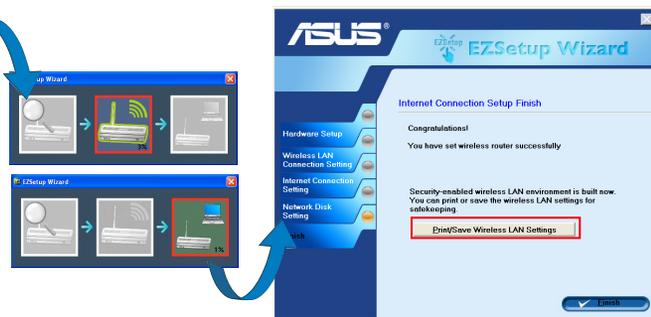


According to the requirements of ISPs, you may need to input information such as IP address, username, and password. Refer to your ISP for detailed setup information.

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, and you can see the screen below. 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.



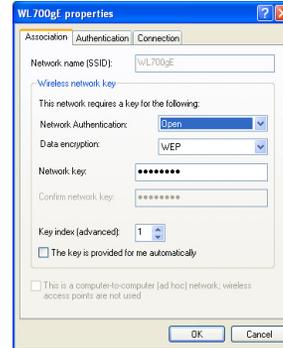
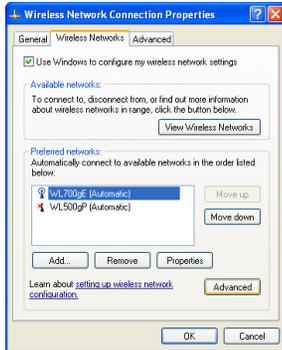
When configuration is complete, a **700gE share folder** icon appears on desktop.



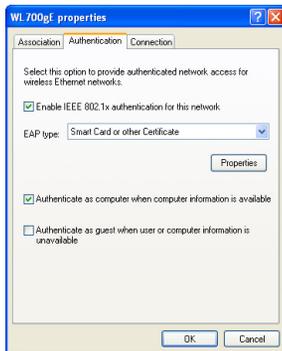
## 2.3 Connecting WL-700gE from a wireless client

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.



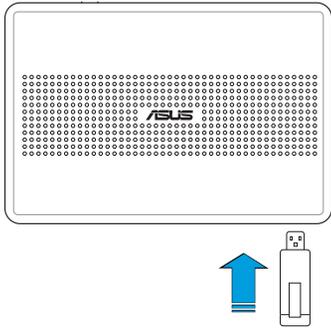
3. For authentication setup, select **Authentication** tab. If you have a RADIUS server in your network for authentication, check **Enable IEEE80.211X authentication to this network**.



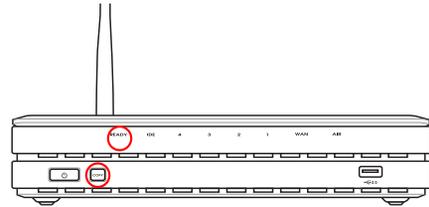
## 2.4 USB auto copy function

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.



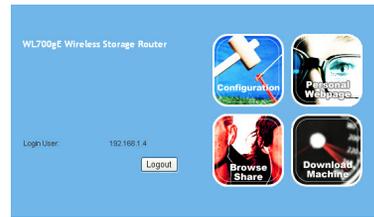
2. Wait for several seconds until the **READY** LED indicator flashes slowly. Press the **COPY** button on the front panel and the LED flashes quickly. This means WL-700gE is copying data from your USB storage. When the LED stops flashing and stays ON, it means data duplication is complete.



## 2.5 Wireless data sharing

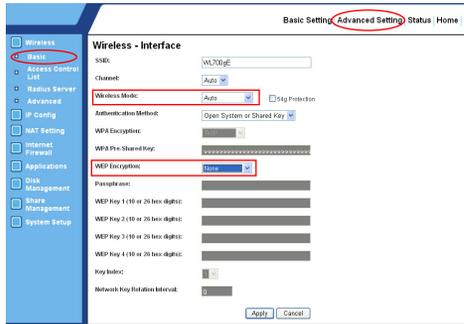
This sections describes how to share the files in WL-700gE hard disk to your LAN users.

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.

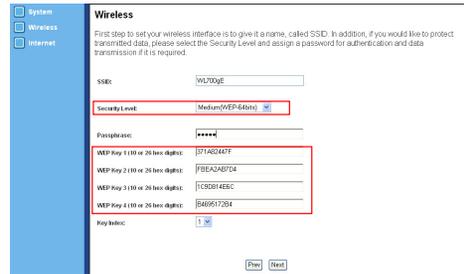


Step 4 and 5 are for first configuration. Skip step 4 and 5 if you have configured the wireless router via EZSetup.

- 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.



- 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.

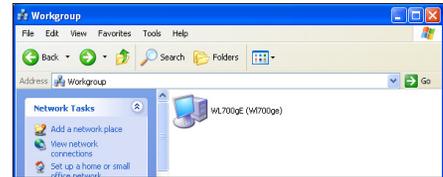


- Double-click the **700gE share folder** short cut on your desktop to access WL-700gE share space. Copy the files you want to share into the share folder.

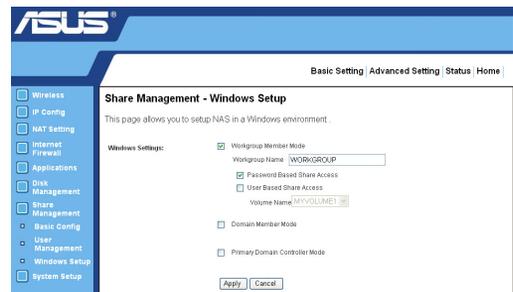


## How to download the shared documents

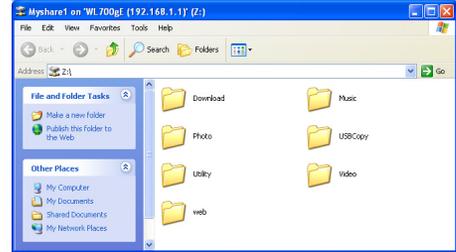
- Connect your computer to WL-700gE, open **My Network place** and click **view workgroup computers** (make sure WL-700gE and your computer are within the same workgroup, the default workgroup of WL-700gE is WORKGROUP).



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.



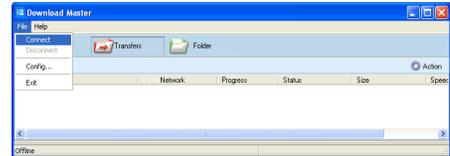
2. Double-click the WL700gE icon to enter the share folder. The files you copied from the USB storage are saved in **USBCopy** directory and are listed by time/date.



## 2.6 Using Download Master

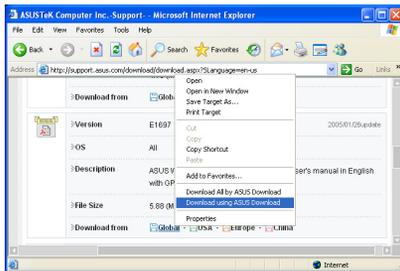
You can use Download Master function in ASUS Utility to organize HTTP, FTP, and BT download tasks..

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



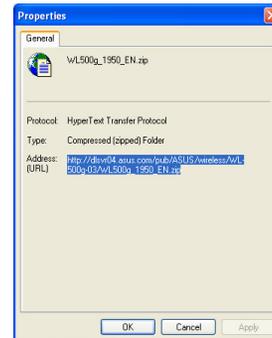
### 2. HTTP download (1)

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

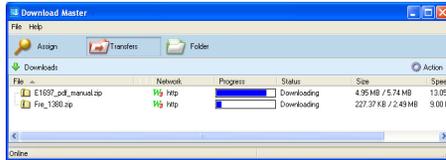


### HTTP download (2)

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

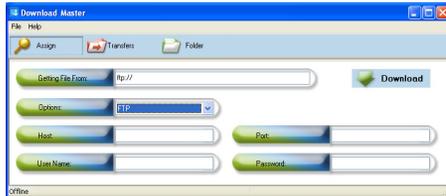


If you select **Download using ASUS Download**, you can see the download task is added to the **Transfer** list. The blue bars indicate the progress of download tasks.

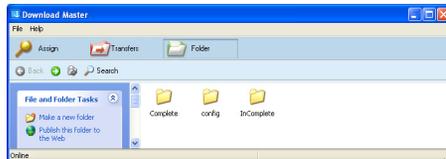


### 3. FTP download

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.



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.



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.



### 4. BT download

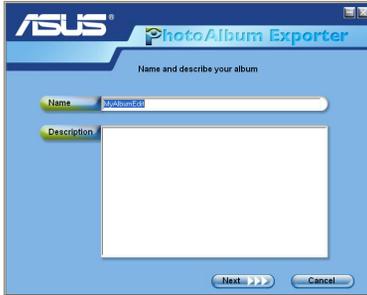
Save the BT seed on your computer. Click **Transfer** button of the Download Master and select **BT** in the Options field. Click **Browse** to locate the seed file and click **Download** to start.



## 2.7 Sharing your 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.



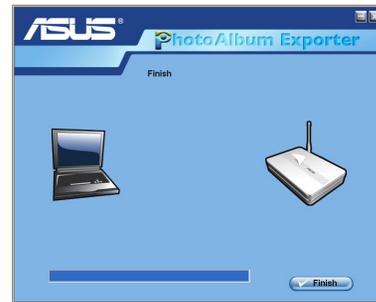
4. Locate the photos you want to upload and browse them in the preview window. Select the photos you want to upload and click **Add**.
5. The photos you have selected appear in the lower window, click the arrows to adjust the sequence of the photos. Click **OK** to continue.



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).



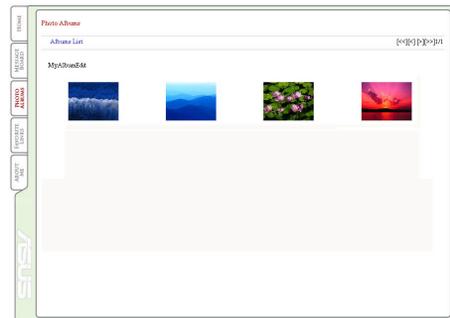
9. Click **Personal Webpage**.



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



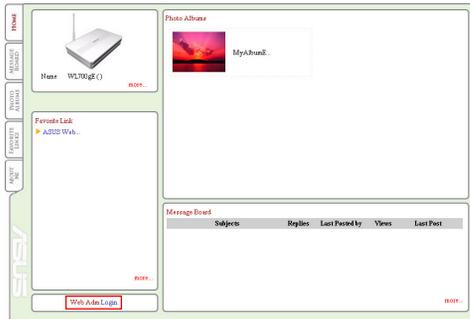
11. Your friends can view these photos and leave comments to them.



## 2.8 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.



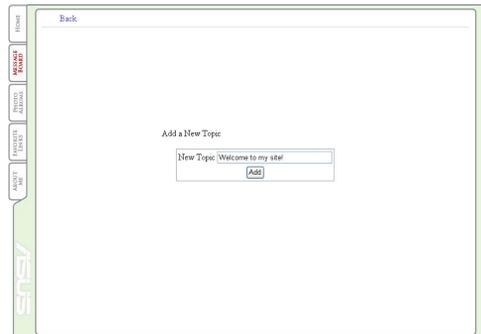
2. Login Name: **admin**; Password: **admin**. Click **Login** to enter the website home page again.



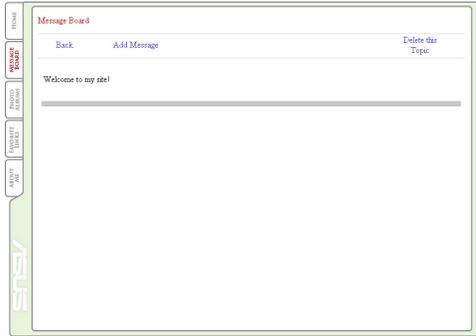
3. Click the Message Board tab and click **New topic**.



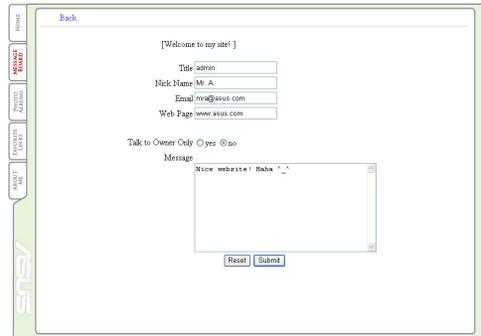
4. Input the subject for discussion and click **Add**.



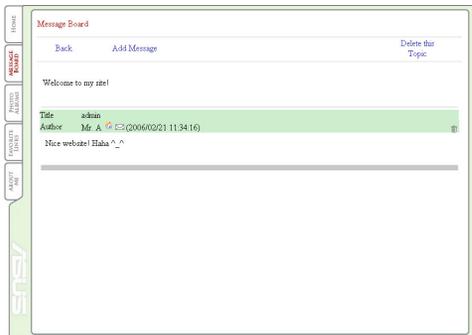
- When finished, click **Add Message** to enter the subject and leave a message.



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



- Your message board is ready.



## 2.9 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** radio button to enable DDNS client and select a DDNS server.
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.



Due to website update, the registration steps and screens here below may be different from the actual website.

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.

- 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.

**Account Created**

Your account, account, has been created. Directions for activating your account have been sent account@asus.com. To complete registration, please follow the directions that you will receive. You must complete these steps within 48 hours to complete your registration.

You should receive the confirmation e-mail within a few minutes. Please make certain that your spam filtering allows messages from support@dyn dns.com to be delivered. If you have not received this e-mail within an hour or so, request a [password reset](#).

Following the instructions in the password reset e-mail will also confirm your new account. If you don't receive the password reset e-mail either, you should check with your e-mail provider to determine why you are not receiving these messages.

- Click Login.

**Account Confirmed**

The account "account" has been confirmed. You can now [login](#) and start using your account.

We have a system announcements mailing list you may wish to subscribe to - this list is used for notifications of new services, changes to services, and important system maintenance/status notifications. To subscribe, simply send an e-mail to [announce@lists.dyn dns.org](mailto:announce@lists.dyn dns.org).

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

**Logged In**

You are currently logged in as: account ([Logout](#))

- Click **Add Dynamic DNS Host**.

My Account	Add Host Services
My Services	<b>Dynamic DNS</b> (?) <a href="#">Add Dynamic DNS Host</a>
Account Upgrades	<b>Static DNS</b> (?) <a href="#">Add Static DNS Host</a>
MailHop Outbound	<b>WebHop</b> (?) <a href="#">Add WebHop</a>
Recursive DNS	<b>MyWebHop</b> (?) <a href="#">Add MyWebHop</a>
SLA	<b>Network Monitoring</b> (?) <a href="#">Add Network Monitoring</a>
Premier Support	
My Zones	
Add Zone Services	
My Hosts	
<a href="#">Add Shared Services</a>	
Dynamic DNS	

- Your hostname is successfully created.

**Hostname Created**

The hostname you have requested has been created. The information now in the database and DNS system is:

<b>Hostname:</b>	account.dyn dns.org
<b>IP Address:</b>	210.74.250.126
<b>Wildcard:</b>	N
<b>Mail Exchanger:</b>	None
<b>Backup MX:</b>	N

- 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.

Our basic service offerings are free, but they are supported by our premium services. See <http://www.dyn dns.com/services/> for a full listing of all of our available services.

To confirm your account, please go to the address below:

<https://www.dyn dns.com/account/confirm/hbNtkRZBRHJaIM4emvCrqA>

- Input username and password to login.

**Login**

It is strongly recommended that you visit this page [securely](#). You are not currently visiting this page securely.

Account Login:

Username: account Password: \*\*\*\*\*

\*password not given.

- Select Services tab.

Logged in as: account  
[My Account](#) [Logout](#) [Logout](#)

**DynDNS**

About Services Account Support News

Services	Services
DNS Services	
Domain Registration	DynDNS provides a variety of services that help enhance your home or business internet experience. We offer superior domain name

- Enter the host name then click **Add Host**.

**New Dynamic DNS<sup>SM</sup> Host**

<b>Hostname:</b>	account	dyn dns.org
<b>IP Address:</b>	210.74.250.126	
<b>Enable Wildcard:</b>	<input type="checkbox"/>	
<b>Mail Exchanger (optional):</b>	<input type="text"/>	<input type="checkbox"/> Backup MX?
<input type="button" value="Add Host"/>		<input type="button" value="Reset Form"/>

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.

The screenshot shows the 'IP Config - Miscellaneous' page in the router's web interface. The 'DDNS Setting' section is highlighted with a red box. It contains the following fields and options:

- Enable DDNS Client?**: Radio buttons for 'Yes' (selected) and 'No'.
- Server:** A dropdown menu set to 'WWW.DYNDNS.ORG' with a 'Free Trial' link.
- User Name or E-mail Address:** A text input field containing 'account@asus.com'.
- Password or DNS Key:** A text input field containing '\*\*\*\*\*'.
- Host Name:** A text input field containing 'account.dyndns.org'.
- Enable wildcard?**: Radio buttons for 'Yes' and 'No'.
- Buttons:** 'Apply' and 'Cancel' buttons at the bottom.

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.

```
C:\WINDOWS\system32\cmd.exe
Microsoft Windows XP [Version 5.1.2600]
(C) Copyright 1985-2001 Microsoft Corp.

C:\Documents and Settings\Doc>ping account.dyndns.org

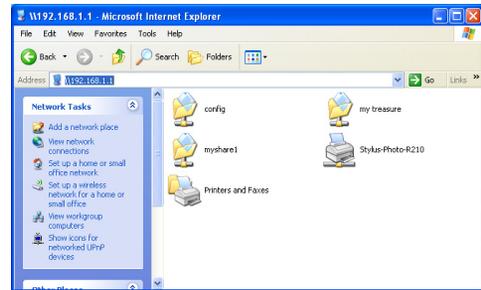
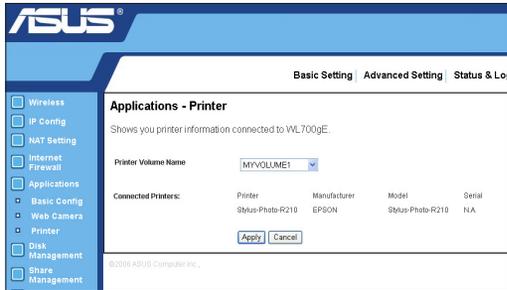
Pinging account.dyndns.org [192.168.123.21] with 32 bytes of data:

Reply from 192.168.123.21: bytes=32 time<1ms TTL=64
Reply from 192.168.123.21: bytes=32 time<1ms TTL=64
```

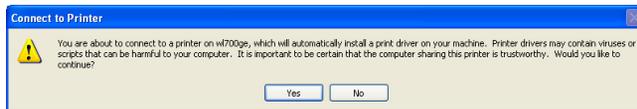
## 2.10 Setting up shared printer

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 .

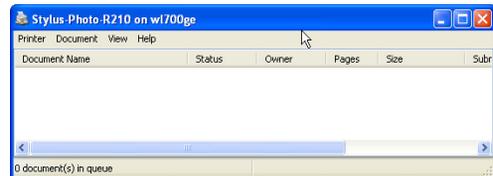
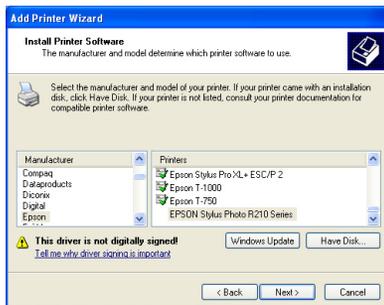
1. Connect a USB printer to the USB2.0 port of WL-700gE. Make sure the printer is powered ON.
2. Enter the Web configuration page of WL-700gE. Click **Applications -> Printer**. You can see your printer is recognized by WL-700gE.
3. Open a Web browser window and type //192.168.1.1 then press **Enter**. You can see the printer icon. Double click the printer icon.



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



5. 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.
6. The printer is ready for share.



# 3 Troubleshooting

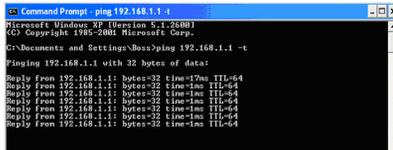
1. Power ON the WL-700gE Wireless Router and make sure the LED indicators light up normally.



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 be reached by your computer. You need to reset the the router if you do not remember the IP



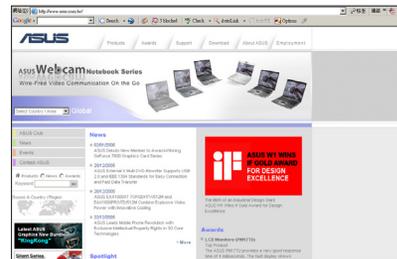
4. Press the RESET button on the rear panel for more than 5 seconds.



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.



## 4 Appendix

### 4.1 User notes

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Product name: ASUS WL-700gE Wireless Router  
Manual version: QE2393 / V1.0  
Publication date: February 2006

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## 4.2 ASUS warranty policy

Thank you for purchasing ASUS wireless product. This apparatus is tested and approved by ASUS and enjoy two years' warranty subject to use within the warranty scope.

### Warranty scope

ASUS provides two years' limited warranty subject to correct use and maintenance. ASUS can charge fee for repairation or maintenance if damage is caused by:

- 1). Force majeure;
- 2). Abnormal voltage;
- 3). Disassembling, modifying by non-ASUS approved agent or personnel;
- 4). Using non-ASUS manufactured accessories;
- 5). Installing pirated software;
- 6). Computer virus;
- 7). Drop, smash;
- 8). Product serial number label removed, defaced, forged or changed.