



## 5. Application features

ASUS WL-500W Wireless Router provides two USB2.0 ports for connecting the USB storage, the USB camera, and the USB printer. Thus, you can monitor the working environment, share data and printer with both wired and wireless users in your network. Furthermore, WL-500W provides a download utility -- the Download Master -- to facilitate and share the download files.



**Warning:** Before unplugging the USB storage disk from WL-500W, you must eject the disk in **Status & Log -> External USB Disk** page to prevent data corruption.



**Note:** Before applying change and rebooting WL-500W, make sure all USB applications are disabled, it would take more than 20 seconds for WL-500W to reboot.

### 1) Sharing USB storage

To use this feature, you need to plug a USB hard disk to the USB2.0 port on the rear panel of WL-500W. Make sure the hard disk is formatted and partitioned properly.



**Note:** FAT32 has a 2GB file size limitation and do not support files above that size. If you want to use files of above 2GB, you must format the disk to EXT2 file system.

### Creating user account

To share the data in the USB storage, you need to create user accounts first.

1. Click **USB Application -> User List** in the left side menu to open the configuration page.
2. Input **User Name** and **Password** for the accounts. Click **Add** to add the account to the list.
3. To delete an account, select the account from the list and click **Del**.
4. Click **Apply** to apply the changes and restart the wireless router.



USB Application - User List		Add	Del
User Name	Password		
user3	pass3		
user1	pass1		
user2	pass2		
		Restore	Finish
		Apply	

### Creating share folder and access right

You can create a new share folder or share an existing folder in your hard disk.

1. Click **USB Application -> Share Nodes** in the left side menu to open the configuration page.





- Click **Add** to add a share folder.

Share Nodes List	Add	Del	Edit
ASUS Wireless Router supports the shared folders with "Path" not exceeding 32 letters and "Shared Name" not exceeding 16 letters.			

- Select the folder you want to share from Folder Manager and click **OK**. To create a share folder, input the folder name in **Add Folder** field and press **Add**.

- Define the access right for the share folder by appoint **User Name** and **Access Right**. Click **Add** to add the access right rule. When finished, click **Apply** to save the configuration.

User Right List		Add	Del	Modify
User Name	Access Right			
<input type="text" value="Guest"/> <input type="text" value="user1"/> <input type="text" value="user2"/> <input type="text" value="userG"/>	<input type="radio"/> Read Only <input type="radio"/> Read-Write			
<input type="button" value="Apply"/>				

- Set Network Neighbourhood Mode to **Apply rules in shared node list**, Work Group to **WORKGROUP** to enable all computers within WORKGROUP to access WL-500W USB storage.

USB Application - Share Nodes	
Network Neighbourhood Mode:	<input type="text" value="Apply rules in shared node list"/>
Device Name:	<input type="text" value="WL500W"/>
Work Group:	<input type="text" value="WORKGROUP"/>
FTP Mode:	<input type="text" value="Disable"/>
Maximum Login User:	<input type="text" value="2"/>
Initial Script:	<input type="text"/>

- Click **Finish**.

<input type="button" value="Restore"/>	<input style="border: 2px solid red;" type="button" value="Finish"/>	<input type="button" value="Apply"/>
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- Click **Save & Restart** to restart the wireless router and activate the settings.

Save & Restart
Save&Restart will save all setting you have changed to ASUS Wireless Router and restart it. Please click <b>Save&amp;Restart</b> button to continue.
<input type="button" value="Save&amp;Restart"/>

- Open **My Network Place** from a computer connected to WL-500W. Click **view work group computers**, you can see WL-500W in the **Workgroup** category. All files on the USB storage are ready for sharing.



## 2) Setting up FTP site

WL-500W can also serve as an FTP site. You can make your FTP site accessible to all users, or set up an access policy to restrict anonymous login. To use this feature, you need to plug a USB storage disk to the USB2.0 port on the rear panel of WL-500W. Make sure the hard disk is formatted and partitioned properly.

1. To allow anonymous login: Set Network Neighborhood Mode to **Share all partitions in disk**, FTP Mode to **Login to first partition**. The anonymous login directory is the root directory of first partition.

To allow account login only: Set Network Neighborhood Mode to **Apply rules in shared node list**, FTP Mode to **Login to first partition**. Click **Add** in the Share Node List to specify the access directory and access right of FTP account.

Path	Shared Name
/part 0/ftp_pub	ftp_pub
/part 0/ftp_put	ftp_put

2. The **Maximum Login User** field specifies the maximum number of concurrent users. The default value is 6.

3. Click **Finish** to activate the settings and reboot. This process may take several minutes.

4. Type **ftp://192.168.1.1** into the address box of your Web browser and press Enter to login the FTP site.



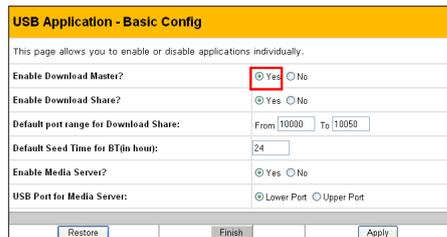
### 3) Download Master

The Download Master helps to manage the download tasks without turning your computer on. To use this function, you need to: 1) mount a USB storage to WL-500W Wireless Router; and 2) install ASUS Utilities from the support CD. Refer to chapter 6 for utility installation procedures.

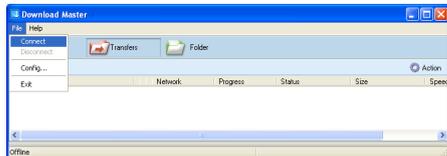
1. Click **Basic Config** page in USB Application folder.



2. Set **Enable Download Master** to **Yes**. If you want to share the downloaded file with your LAN users, set **Enable Download Share** to **Yes**. Click **Finish** and save and restart the wireless router.

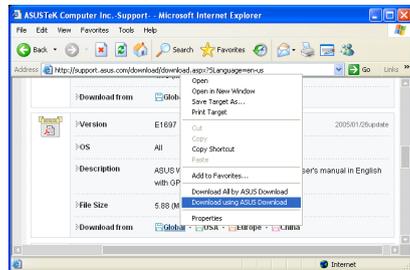


3. Open Download Master from Start -> All Programs -> ASUS Utility -> WL-500W Wireless Router -> Download Master. Click **File -> Connect** to associate with WL-500W.



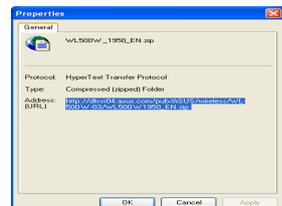
4. **HTTP download (1)**

Right click the download link on the Web page and click **Download using ASUS Download**. A window in step 5 appears to indicate download progress.



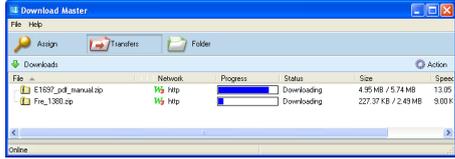
- HTTP download (2)**

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

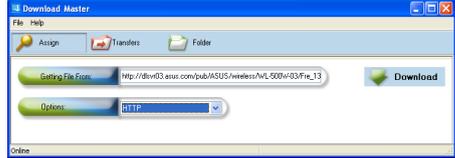




If you select **Download using ASUS Download**, you can see the download task is added to the **Transfer** list. The blue bars indicate the progress of download tasks.



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



5. 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.



6. 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. Click **Download** to start.



7. 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 unfinished tasks are kept in **InComplete** folder.



## 4) Web camera

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.

USB Application - Web Camera	
Enable Web Camera?	LAN Only
Web Camera Mode:	ActiveX and Refresh
Web Camera Drivers:	PWC 8.8
Image Size:	320 X 240 <a href="#">Preview</a>
Sense Level:	Medium
Refresh Time in seconds:	1
Caption String:	Web Camera Live Demoll
HTTP Port:	7776 <input type="checkbox"/> Password Checking
ActiveX Port:	7777

**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](http://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.

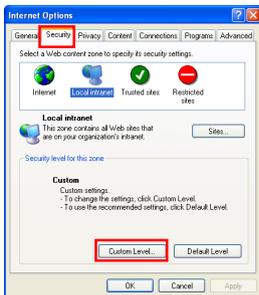
## Enabling ActiveX for your IE

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.

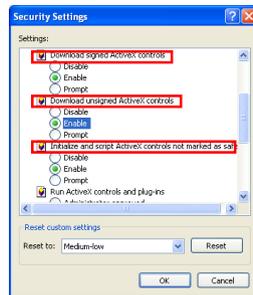
1. Open Internet Explorer 5.0 or above on your computer, click **Tools -> Internet Options**.



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

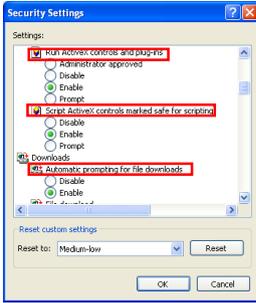


4. Enable the activeX controls and plug-ins. By default, these items are disabled.





- By default, these three items are enabled. Enable them if changed.
- 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-500W captures the images and send them to your appointed E-mail box. Refer to page 15-17 for DDNS setup procedures.

- 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.

Security Mode Setting	
This function allows you to monitor your environment through Web Camera. If there is any motion detected, ASUS Wireless Router will try to alert you by means of e-mail.	
Enable Security Mode?	<input checked="" type="radio"/> Yes <input type="radio"/> No
Date to Enable Security Mode:	<input checked="" type="checkbox"/> Sun <input checked="" type="checkbox"/> Mon <input checked="" type="checkbox"/> Tue <input checked="" type="checkbox"/> Wed <input checked="" type="checkbox"/> Thu <input checked="" type="checkbox"/> Fri <input checked="" type="checkbox"/> Sat
Time to Enable Security Mode:	00 : 00 : 23 : 59
Send to:	
Email Server:	
Subject:	Motion detection alert!!!
Attach Image File?	<input checked="" type="radio"/> Yes <input type="radio"/> No

**Send to** - Input the E-mail address you wish WL-500W 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-500W 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-500W in Remote Control fields. To make sure packets from WL-500W are routed back to Internet, you need to set a static route entry for WL-500W. The IP address and gateway address are same as the address of WL-500W.



**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.

Remote Monitor Setting	
This function allows you to monitor up to 6 Web Cameras in your LAN. Please enter the IP addresses of the wireless routers which connect with Web Camera. If you want to expose these web camera to Internet, please set up virtual server for each HTTP port and ActiveX port manually.	
Remote Control Mode:	LAN Only <input type="button" value="Preview"/>
Remote Site 1:	192.168.123.1:7788
Remote Site 2:	192.168.123.1:7777
Remote Site 3:	192.168.1.1:7777
Remote Site 4:	
Remote Site 5:	
Remote Site 6:	
<input type="button" value="Restore"/> <input type="button" value="Finish"/> <input type="button" value="Apply"/>	

## 5) Sharing USB printer

You can connect a compatible USB printer to the USB2.0 port of WL-500W to share the printer with your LAN users. Follow the procedures below to setup your computers to utilize the printer server function of WL-500W.

### Installing USB printer

Plug your USB printer to the USB2.0 port on WL-500W rear panel. To verify whether your printer is properly installed and to WL-500W Wireless router, click **Status & Log -> Status**. If **Printer Model** is correct and **Printer Status** is **On-Line**, you can share this printer within your LAN.



**Note:** Visit ASUS Website for compatible printer vendor and models.

Printer	
Printer Model:	EPSON Stylus Photo R210
Printer Status:	On-Line
User:	
Action:	<input type="button" value="Remove"/>

### 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**.

