

WG-500P Hotspot in a Printer

Address List	-	Display the filtering address(s).
Delete	Disable	Select the check boxes and click ' Delete ' to delete the filtering address(s).

Click **Add to List** button to add a new entry.

Click **Apply** button to save the new settings.

Click **Delete All & Apply** button to delete all entries.

3-2-4-3 Secure Remote

This feature allows you to create a secure connection to a remote site or back end system with VPN PPTP Client. If “Secure Remote” is enabled, the RADIUS packet/syslog will be transferred to this secure connection.

SECURE REMOTE

Secure Remote: Disable

Create a secure connection to a remote site or back end system with VPN PPTP Client. When enabled, the RADIUS packet/syslog/HTTP/session trace will be transferred to this secure connection.

PPTP Client	<input type="checkbox"/> Auto-connect at Start-up (Always connect) PPTP Server IP address : <input style="width: 100%;" type="text"/> Username : <input style="width: 100%;" type="text"/> Password : <input style="width: 100%;" type="password"/> <input type="button" value="start/stop connection"/>
	Status <input type="button" value="refresh"/> <p>VPN Tunnel : Online/Offline/Connecting Client IP : 192.168.1.1</p>

Figure 3-2-28 Secure Remote Setting Screen

Item	Default	Description
Auto-connect at Start-up (Always connect)	Disable	Enable the check box to automatically establish the PPTP connection.
PPTP Server IP address	Empty	Enter the PPTP server IP address provided by your ISP.
Username	Empty	Enter the user name provided by your ISP. The user name can consist of up to 80 alphanumeric characters and is case sensitive.
Password	Empty	Enter the user password provided by your ISP. The password can consist of up to 80 alphanumeric characters and is case sensitive.
start / stop connection		Click on Start/Stop connection button to start/stop PPTP connection.
VPN Tunnel		Display the status.
Client IP		Display the IP address.

Click **refresh** button to delete all entries.

3-2-5 SYSTEM

3-2-5-1 System

Define the WG-500P System configuration.

SYSTEM																															
System Host Name	<input type="text"/>																														
Domain Name	<input type="text"/>																														
Location Information	<table border="1"> <tr> <td>Location Name:</td> <td><input type="text"/></td> <td>(Max=50)</td> </tr> <tr> <td>Address:</td> <td><input type="text"/></td> <td>(Max=200)</td> </tr> <tr> <td>City:</td> <td><input type="text"/></td> <td>(Max=50)</td> </tr> <tr> <td>State / Province:</td> <td><input type="text"/></td> <td>(Max=50)</td> </tr> <tr> <td>Zip / Postal Code:</td> <td><input type="text"/></td> <td>(Max=10)</td> </tr> <tr> <td>Country:</td> <td><input type="text"/></td> <td>(Max=50)</td> </tr> <tr> <td>Contact Name:</td> <td><input type="text"/></td> <td>(Max=50)</td> </tr> <tr> <td>Contact Telephone:</td> <td><input type="text"/></td> <td>(Max=50)</td> </tr> <tr> <td>Contact FAX:</td> <td><input type="text"/></td> <td>(Max=50)</td> </tr> <tr> <td>Contact Email:</td> <td><input type="text"/></td> <td>(Max=50)</td> </tr> </table>	Location Name:	<input type="text"/>	(Max=50)	Address:	<input type="text"/>	(Max=200)	City:	<input type="text"/>	(Max=50)	State / Province:	<input type="text"/>	(Max=50)	Zip / Postal Code:	<input type="text"/>	(Max=10)	Country:	<input type="text"/>	(Max=50)	Contact Name:	<input type="text"/>	(Max=50)	Contact Telephone:	<input type="text"/>	(Max=50)	Contact FAX:	<input type="text"/>	(Max=50)	Contact Email:	<input type="text"/>	(Max=50)
Location Name:	<input type="text"/>	(Max=50)																													
Address:	<input type="text"/>	(Max=200)																													
City:	<input type="text"/>	(Max=50)																													
State / Province:	<input type="text"/>	(Max=50)																													
Zip / Postal Code:	<input type="text"/>	(Max=10)																													
Country:	<input type="text"/>	(Max=50)																													
Contact Name:	<input type="text"/>	(Max=50)																													
Contact Telephone:	<input type="text"/>	(Max=50)																													
Contact FAX:	<input type="text"/>	(Max=50)																													
Contact Email:	<input type="text"/>	(Max=50)																													
Date/Time	<p>Time Zone: GMT</p> <p><input type="radio"/> Manual Setting</p> <p>Date: 2011 / 1 / 1 (Year/Month/Day)</p> <p>Time: 00 : 00 : 00 (Hour : Minute : Second)</p> <p><input checked="" type="radio"/> NTP Setting Date: 2004/7/2 Time: 16:06:02 <input type="button" value="Update Now"/></p> <table border="1"> <tr> <td>Server IP/Domain Name 1:</td> <td><input type="text" value="time.nist.gov"/></td> </tr> <tr> <td>Server IP/Domain Name 2:</td> <td><input type="text" value="www.nist.gov"/></td> </tr> <tr> <td>Update Time</td> <td>24 hours</td> </tr> <tr> <td><input type="checkbox"/> Daylight Saving Time</td> <td> Start Date: 4 Month / 1 Day End Date: 10 Month / 31 Day </td> </tr> </table>	Server IP/Domain Name 1:	<input type="text" value="time.nist.gov"/>	Server IP/Domain Name 2:	<input type="text" value="www.nist.gov"/>	Update Time	24 hours	<input type="checkbox"/> Daylight Saving Time	Start Date: 4 Month / 1 Day End Date: 10 Month / 31 Day																						
Server IP/Domain Name 1:	<input type="text" value="time.nist.gov"/>																														
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Update Time	24 hours																														
<input type="checkbox"/> Daylight Saving Time	Start Date: 4 Month / 1 Day End Date: 10 Month / 31 Day																														
NAT (Network Address Translation)	<input checked="" type="radio"/> Enable <input checked="" type="checkbox"/> Plug and Play Internet access <input type="radio"/> Disable																														
User Session Limited	<input checked="" type="radio"/> Enable 300 (1-1024) <input type="radio"/> Disable																														
Layer 2 Isolation Security	<input checked="" type="radio"/> Enable <input type="radio"/> Disable																														
Secure administrator IP addresses	<input checked="" type="radio"/> Any <input type="radio"/> Specify <table border="1"> <tr> <td>1</td> <td><input type="text"/></td> <td>~</td> <td><input type="text"/></td> </tr> <tr> <td>2</td> <td><input type="text"/></td> <td>~</td> <td><input type="text"/></td> </tr> <tr> <td>3</td> <td><input type="text"/></td> <td>~</td> <td><input type="text"/></td> </tr> <tr> <td>4</td> <td><input type="text"/></td> <td>~</td> <td><input type="text"/></td> </tr> <tr> <td>5</td> <td><input type="text"/></td> <td>~</td> <td><input type="text"/></td> </tr> </table>	1	<input type="text"/>	~	<input type="text"/>	2	<input type="text"/>	~	<input type="text"/>	3	<input type="text"/>	~	<input type="text"/>	4	<input type="text"/>	~	<input type="text"/>	5	<input type="text"/>	~	<input type="text"/>										
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5	<input type="text"/>	~	<input type="text"/>																												
Multicast passthrough	<input checked="" type="radio"/> Enable <input type="radio"/> Disable																														
Allow remote user to ping the device	<input checked="" type="radio"/> Enable <input type="radio"/> Disable																														
SSL Certificate	<input type="radio"/> Enable <input type="radio"/> Customer Certificate																														
Personal ID Recognition Mode	<input type="radio"/> Enable <input checked="" type="radio"/> Disable																														

Figure 3-2-29 System Setting Screen

WG-500P Hotspot in a Printer

Item	Default	Description
System/Host Name	Empty	The system name can consist of up to 40 alphanumeric characters.
Domain Name	Empty	The Domain name can consist of up to 80 alphanumeric characters.
Location Information	Empty	Enter your location information.
Date/Time		
Time Zone	GMT	Select the appropriate time zone for your location.
Manual Setting	Click Manual Setting to set the system date and time.	
Date	Year/Month/Day	Enter the Date for the system.
Time	Hour:Minute:Second	Enter the Time for the system.
NTP Setting	Enable	Enables or disables NTP (Network Time Protocol) Time Server. Network Time Protocol can be utilized to synchronize the time on devices across a network. A NTP Time Server is utilized to obtain the correct time from a time source and adjust the local time.
Server IP/Domain Name	Empty	Enter the IP address/domain name of NTP server. The maximum allowed characters length is 100.
Update Time	0 hours	Enter the number of hours for update time.
Daylight Saving Time	Disable	Enables or disables Daylight Saving Time (DST).
	Month/Day	Set the Daylight Saving Time (DST) on the WG-500P. Adjust the begin time and end time.
NAT (Network Address Translation)		
NAT	Enable	Enables or disables NAT Address Translation function.
User Session Limited	Enable,300	Enables or disables user session limit function. This feature provides you an ability to control a number of sessions allowed for particulars user(s) at the one time.
IP Plug and Play (iPnP Technology)	Enable	Enables or disables plug & play function. When enabled, the user needn't change their network configuration to access the Internet.
Layer 2 Isolation Security	Enable	If enable plug and play is selected, you can enable Layer 2 Isolation Security function. When the "Layer 2 Isolation Security" enabled, everyone cannot communicate with each other.
Secure administrator IP	Any	Options: Any and Specify. Administrator can specify 5 IP

WG-500P Hotspot in a Printer

Addresses		addresses or a range to allow remote control access from network.
Multicast Pass Through	Enable	This function allows for multiple transmissions to specific recipients at same time.
Allow remote user to ping the device	Enable	This function allows remote user to ping the WG-500P through Internet. Ping is normally used to test the physical connection between two devices, to ensure that everything is working correctly.
SSL Certificate	Enable	Option: default or customize certificate, These are two ways to create a certificate, one is purchase a certificate from a certificate authority (Ex. Verisign or Thawte), and another is creating a self-certificate (For example: Uses OpenSSL tool).
Personal ID Recognition mode	Disable	Some countries or areas will ask WiFi users to offer personal ID recognition according to the law for the Internet crime investigation. If you would like to active PIR function, please refer to the Chapter 5 Personal ID Recognition .

Click **Apply** button to save the new settings.

3-2-5-2 WAN/LAN

WAN / LAN

LAN	<p>Device IP Address and Subnet mask settings</p> <p>IP Address: <input type="text" value="10.59.1.1"/></p> <p>Subnet Mask: <input type="text" value="255.255.255.0"/></p>
WAN MAC Address	<p><input checked="" type="radio"/> Default</p> <p><input type="radio"/> Change to: <input type="text" value="00"/> : <input type="text" value="00"/> : <input type="text" value="00"/> : <input type="text" value="00"/> : <input type="text" value="00"/></p>
WAN MTU Setting	<p>Wan Port Maximum Transmission Unit <input type="text" value="1500"/></p>
WAN Port Mode	<p><input checked="" type="radio"/> DHCP Client (Mostly for Cable modem users or Local Area Network)</p> <p><input type="radio"/> Static IP (Mostly for advanced Local Area Network environment)</p> <p>Static IP information (from your ISP)</p> <p>IP Address: <input type="text" value="0.0.0.0"/></p> <p>Subnet Mask: <input type="text" value="0.0.0.0"/></p> <p>Gateway IP address: <input type="text" value="0.0.0.0"/></p> <p>Primary DNS Server: <input type="text"/></p> <p>Secondary DNS Server: <input type="text"/></p> <p><input type="radio"/> PPPoE (Usually for ADSL modem users)</p> <p>Your ISP requires a username and password.</p> <p>Username: <input type="text"/></p> <p>Password: <input type="text"/></p> <p>PPP MTU Setting: <input type="text" value="1492"/></p> <p>TCP MSS Setting: <input type="text" value="1452"/></p> <p>Service Name: <input type="text"/></p> <p><input checked="" type="radio"/> Connect on Demand Max Idle Time: <input type="text" value="10"/> Min.</p> <p><input type="radio"/> Keep alive Redial Period: <input type="text" value="30"/> Sec.</p> <p><input type="radio"/> PPTP (Usually for Europe ADSL modem users)</p> <p>Your ISP requires a username, password, and PPTP setting</p> <p>My IP Address: <input type="text"/></p> <p>My Subnet Mask: <input type="text"/></p> <p>Gateway IP address: <input type="text"/></p> <p>PPTP Server IP Address: <input type="text"/></p> <p>Username: <input type="text"/></p> <p>Password: <input type="text"/></p> <p>PPP MTU Setting: <input type="text" value="1460"/></p> <p>TCP MSS Setting: <input type="text" value="1400"/></p> <p>Connection ID/Name: <input type="text"/></p> <p><input checked="" type="radio"/> Connect on Demand Max Idle Time: <input type="text" value="10"/> Min.</p> <p><input type="radio"/> Keep alive Redial Period: <input type="text" value="30"/> Sec.</p>

Figure 3-2-30 WAN/LAN Setting Screen

WG-500P Hotspot in a Printer

Item	Default	Description
LAN		
IP Address	10.59.1.1	The internal LAN IP address of your Wireless Subscriber Server Gateway.
Subnet Mask	255.255.255.0	Enter the subnet mask for the IP address.
WAN MAC Address		
IP Address	The default MAC address is set to the WAN physical interface on device.	
DHCP Client	The device can work as a DHCP client. This allows the device to obtain the IP address and other TCP/IP settings from your ISP. If your xDSL/Cable comes with this feature, please enable Use DHCP Client.	
Static IP		
IP Address	Enter the IP address for the xDSL/Cable connection (provided by your ISP).	
Subnet Mask	Enter the subnet mask for the IP address.	
Gateway IP Gateway	Enter the Gateway IP address for the xDSL/Cable connection (provided by your ISP).	
Primary DNS Server	A primary DNS server IP address for the xDSL/Cable connection (provided by your ISP).	
Secondary DNS Server	A secondary DNS server IP address for the xDSL/Cable connection (provided by your ISP). If the primary DNS Server IP were not available, meanwhile, Secondary DNS Server IP would start in the same time.	
PPPoE		
User Name	Empty	Enter your PPPoE account name. The user name can consist of up to 80 alphanumeric characters and is case sensitive.
Password	Empty	Enter your PPPoE password. The password can consist of up to 80 alphanumeric characters and is case sensitive.
PPP MTU Setting	1492	MTU (Maximum Transfer Unit) specifies maximum transmission unit size.
TCP MSS Setting	1452	MSS (Maximum Segment Size) specifies maximum segment size.
Service Name	Empty	Enter the service name provided by your ISP. The service name can consist of up to 64 alphanumeric characters and is case sensitive.
Connect on Demand	Enable	You can configure your WG-500P to cut your connection with your ISP after a specified period of time (Max Idle Time). If you have been disconnected due to inactivity, Connect on Demand enables your WG-500P to automatically re-establish your connection as soon as you attempt to access the Internet again. If you wish to activate Connect on Demand, click the radio button. If you want your Internet connection to remain, click the radio button of keep alive. The Max Idle Time maximum value is 65535 minutes.
Max Idle Time	10 Minutes	

WG-500P Hotspot in a Printer

Keep alive	Disable	This option keeps your PPPoE enabled Internet access connected indefinitely, even when it sits idle. The Redial Period maximum value is 65535 seconds.
Redial Period	30 Seconds	

3-2-5-3 Server

Server

SERVER

Server Static DHCP Table

Web Server	<input checked="" type="radio"/> HTTP Port: <input type="text" value="80"/> (80,8010-8060) <input type="radio"/> HTTPS Port: <input type="text" value="443"/> (443,4430-4440) Administrator Idle-Timeout: <input type="text" value="5"/> Min(s) (1 - 1440) Account Manager Idle-Timeout: <input type="text" value="5"/> Min(s) (1 - 1440)
DHCP Server	<input type="radio"/> DHCP Disable <input type="radio"/> DHCP Relay DHCP Server IP Address: <input type="text"/> <input checked="" type="radio"/> DHCP Server IP Pool Starting Address: <input type="text" value="10.59.1.2"/> Pool Size: <input type="text" value="253"/> (Max=253) Lease Time: <input type="text" value="300"/> (Minutes) Primary DNS Server: <input type="text" value="168.95.1.1"/> Secondary DNS Server: <input type="text"/>
Email Server Redirect	IP Address or Domain Name: <input type="text"/> SMTP Port: <input type="text"/> (25, 2500 - 2599)

[Apply](#)

Figure 3-2-31 Server Setting Screen

Item	Default	Description
Web Server		
HTTP Port	80	Enter the HTTP port number. The HTTP port allowed range is 80 or 8010 to 8060. For access the WG-500P system under NAT, please tab the "http://HTTP Port IP Address: Port Number".
HTTPS Port	443	Enter the HTTPS port number. The HTTPS port allowed range is 443 or 4430 to 4440. For access the WG-500P system, please tab the "https://HTTPS Port IP Address: Port Number".
Administrator Idle-Timeout	5 Minutes	The idle time out valid range is 1-1440. If the idle time out is set as 5 minutes, it means if the administrator doesn't send packet in 5 minutes, the administrator will logout automatically.
DHCP Server	Enable	There are three types of DHCP Services. DHCP Disable—Disable the DHCP server function. DHCP Relay—Enable DHCP Relay function.

WG-500P Hotspot in a Printer

		DHCP Server—Enable DHCP server function.
DHCP Relay		To route DHCP through an external server, the administrator needs to enable the DHCP relay and assign a valid DHCP server IP address.
DHCP Server IP Address	Empty	Enter the IP address of DHCP server.
DHCP Server		The WG-500P's DHCP server is turned on and running by default when you install it in your network.
DHCP Pool Starting Address	10.59.1.2	Enter the DHCP Pool Starting IP address.
Pool Size	253	The DHCP pool size range is 1 to 512.
Lease Time	300 Minutes	The DHCP lease time. The DHCP lease time range is 1 to 71582788 minutes.
Primary DNS Server	168.95.1.1	Enter the IP address of the network's primary DNS server.
Secondary DNS Server	Empty	Enter the IP address of a second DNS server on the network.
Email Server Redirect		To prevent some subscriber's original Email server may protect by firewall or NAT network. WG-500P provides an extra Email server parameter to forward the subscriber's Email. The WG-500P not only forwards the subscribers' E-mail via other E-mail server but also changes the SMTP header. The recipient of your E-mail sees the message as if you sent it from your local Internet Service Provide, not form the hotel or other place. Note: Before setting this sever, please make sure the e-mail sever relay function is opened. It must not exceed 50 characters.
IP Address or Domain Name	Empty	Enter the E-mail server IP address or domain name.
SMTP Port	25	Enter the SMTP port number for mail server. The SMTP port allowed range is 25 or 2500 to 2599.

Click **Apply** button to save the new settings.

Static DHCP

This function allows subscriber to assign IP address on the LAN to specific individual computers based on their MAC Address.

SERVER

Server Static DHCP Table

	IP	MAC		IP	MAC
1	<input type="text"/>	<input type="text"/>	26	<input type="text"/>	<input type="text"/>
2	<input type="text"/>	<input type="text"/>	27	<input type="text"/>	<input type="text"/>
3	<input type="text"/>	<input type="text"/>	28	<input type="text"/>	<input type="text"/>
4	<input type="text"/>	<input type="text"/>	29	<input type="text"/>	<input type="text"/>
5	<input type="text"/>	<input type="text"/>	30	<input type="text"/>	<input type="text"/>
6	<input type="text"/>	<input type="text"/>	31	<input type="text"/>	<input type="text"/>
7	<input type="text"/>	<input type="text"/>	32	<input type="text"/>	<input type="text"/>
8	<input type="text"/>	<input type="text"/>	33	<input type="text"/>	<input type="text"/>
9	<input type="text"/>	<input type="text"/>	34	<input type="text"/>	<input type="text"/>
10	<input type="text"/>	<input type="text"/>	35	<input type="text"/>	<input type="text"/>
11	<input type="text"/>	<input type="text"/>	36	<input type="text"/>	<input type="text"/>
12	<input type="text"/>	<input type="text"/>	37	<input type="text"/>	<input type="text"/>
13	<input type="text"/>	<input type="text"/>	38	<input type="text"/>	<input type="text"/>
14	<input type="text"/>	<input type="text"/>	39	<input type="text"/>	<input type="text"/>
15	<input type="text"/>	<input type="text"/>	40	<input type="text"/>	<input type="text"/>
16	<input type="text"/>	<input type="text"/>	41	<input type="text"/>	<input type="text"/>
17	<input type="text"/>	<input type="text"/>	42	<input type="text"/>	<input type="text"/>
18	<input type="text"/>	<input type="text"/>	43	<input type="text"/>	<input type="text"/>
19	<input type="text"/>	<input type="text"/>	44	<input type="text"/>	<input type="text"/>
20	<input type="text"/>	<input type="text"/>	45	<input type="text"/>	<input type="text"/>
21	<input type="text"/>	<input type="text"/>	46	<input type="text"/>	<input type="text"/>
22	<input type="text"/>	<input type="text"/>	47	<input type="text"/>	<input type="text"/>
23	<input type="text"/>	<input type="text"/>	48	<input type="text"/>	<input type="text"/>
24	<input type="text"/>	<input type="text"/>	49	<input type="text"/>	<input type="text"/>
25	<input type="text"/>	<input type="text"/>	50	<input type="text"/>	<input type="text"/>

Figure 3-2-32 Server Setting Screen

Item	Default	Description
IP Address	Empty	Enter the IP address that subscriber want to assign to the computer on LAN with the MAC address the subscriber will also specify.
MAC Address	Empty	Enter the MAC address of a computer on your LAN.

Click **Apply** button to save the new settings.

3-2-5-4 Customization

Login Page

The WG-500P provides three different login page formats, including standard, redirect, advanced and frame format.

CUSTOMIZATION

Login Page
 Logo
 Information Window
 Account Printout
 Credit Card
 User Agreement Page

Choose a login page type:

Standard

Custom the message on the **standard** login page:

<input type="checkbox"/> Logo	
Title	Welcome (Max. 80 characters)
Subtitle	Wireless Subscriber Gateway (Max. 80 characters)
Username	Username (Max. 20 characters)
Password	Password (Max. 20 characters)
Enter Button	Enter (Max. 20 characters)
Cancel Button	Cancel (Max. 20 characters)
<input type="checkbox"/> Footnote	Contact us if you have any qu (Max. 240 characters)
<input checked="" type="checkbox"/> Copyright	Copyright (c) 2013-2015 All R (Max. 80 characters)
Background Color	FFFFFF View Color Grid

[Preview Standard Login Page](#)

Redirect

Redirect Login Page URL : [Code](#)

Advanced

Welcome Slogan	<input type="text"/>
Page Background	<input type="radio"/> None <input type="radio"/> Background Color <input type="text" value="ffffff"/> View Color Grid
Article	<div style="border: 1px solid gray; height: 40px;"></div>
Article Text Color	000000 View Color Grid
Article Background Color	<input type="radio"/> None <input type="radio"/> <input type="text" value="ffffff"/> View Color Grid
Information	<input type="text"/>
Comments	<input type="text"/>

Frame

Top Frame	URL : http:// <input type="text"/>
Bottom Frame	This frame will show the standard login page

[Apply](#)

Figure 3-2-33 Customization Setting Screen

Item	Default	Description
Standard		For some service providers, they may hope to have a customize subscriber's login page to the users. This function helps them to realize the ideal. The page elements are including login page title, background color, subtitle etc.
Logo	Disable	Select the check box to display service provider's logo.
Title	Welcome	Enter the title name of subscriber login page. The maximum allowed characters length is 80.
Subtitle	Hot Spot Internet Service	Enter the subtitle name of subscriber login page. The maximum allowed characters length is 80.
Footnote	Disable	Allow the administrator to input the footnote such like "Pleas Contact to our Customer Service Center, EXT 141". The maximum character of the footnote is 240.
Copyright	Enable	The copyright is allowed the administrator to input a paragraph in the subscriber login page for copyright information. The maximum character of the copyright is 80.
Background Color	FFFFFF	The background text color can be specified color. For the specified text color format please views the color grid. The allowed format is Hexadecimal.

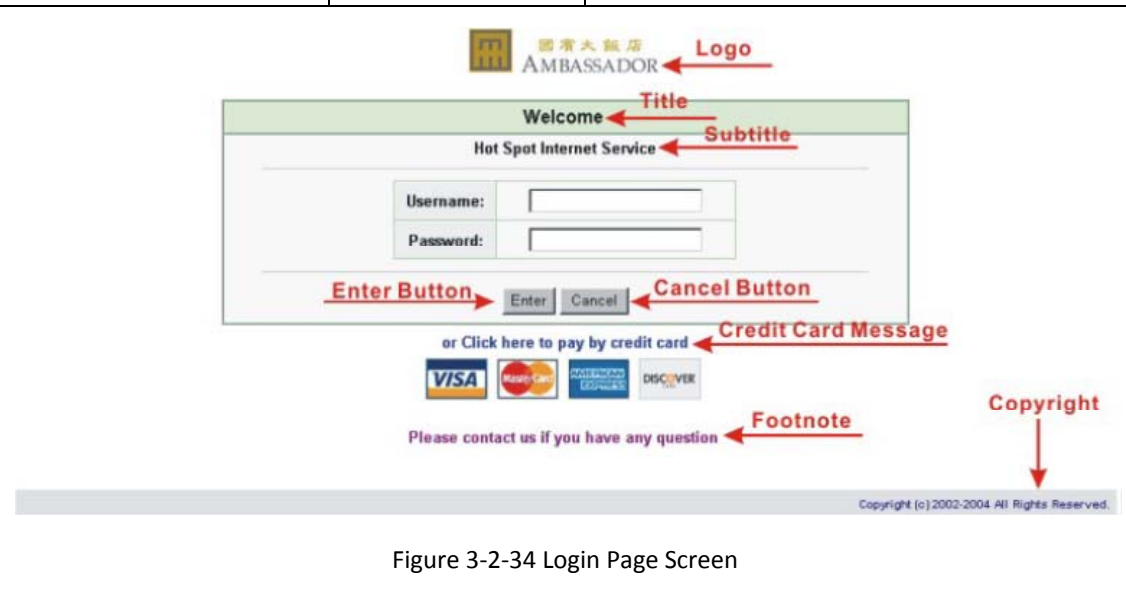


Figure 3-2-34 Login Page Screen

Redirect	This allow service provider to redirect the subscriber's browser to a specified home
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page.

Copy and paste the following HTML Code into your home page to produce redirect subscriber login page.

```

Redirect Login Page Code

<html>
<body style="font-family: Arial" bgcolor="#FFFFFF">
<form method="post" action="http://1.1.1.1/login.cgi" name="apply">
<div align="center">
<table border="1" bordercolor="black" bordercolorlight="gray" bordercolordark="black" cellpadding="4" width="50%" bgcolor="#F7F7F7" border="1">
<tr>
<td align="center" width="100%" bgcolor="#d7d7d7" colspan="2">
<font size="2"><b>Welcome</b></font>
</td>
</tr>
<tr>
<td align="right" width="35%" bgcolor="#eaeaea">
<font color="black" size="2"><b>Username:</b></font>
</td>
<td width="65%">
<input type="text" name="username" size="25">
</td>
</tr>
<tr>
<td align="right" width="35%" bgcolor="#eaeaea">
<font color="black" size="2"><b>Password:</b></font>
</td>
<td width="65%">
<input type="password" name="password" size="25">
</td>
</tr>
<tr>
<td align="center" width="100%" colspan="2">
<input type="submit" name="apply" value="Enter" style="font-family: Arial">
<input type="reset" name="clear" value="Clear" style="font-family: Arial">
</td>
</tr>
</div>
</form>
</body>
</html>
    
```

Figure 3-2-35 Preview Redirect Login Page Code

Advanced	This function allow user to design login page of WG-500P.	
Welcome Slogan	Welcome	The maximum allowed characters length is 80.
Page Background	None	The page background can be none or specified color. For the background color format please views the color grid. The allowed format is Hexadecimal.
Article	Empty	The article is allowed the administrator to input a paragraph in the subscriber login page for advisement or announcement. The maximum character of the article is 1024.
Article Text Color	000000	The article text color can be specified color. For the specified text color format please views the color grid. The allowed format is Hexadecimal.
Article Background Color	None	The article background can be specified color. For the background color format please views the color grid. The allowed format is Hexadecimal.
Information	Empty	Allow the administrator to input the text information such like address, telephone number and fax information. The maximum character of the information is 80.
Comments	Empty	Allow the administrator to input the text comments such

		like "Please Contact to our Customer Service Center, EXT 141". The maximum character of the comment is 80.
Frame		If "Frame" is selected the subscriber login page will be separate into Top Frame and Bottom Frame. Bottom Frame is a default format for username and password input, Top Frame is allowed to be specified a URL to link.
Top Frame URL Link	Empty	The input format can be http://www.yahoo.com. The maximum character of the URL Link is 200.
Bottom Frame	-	This frame will show the standard login page.



Figure 3-2-36 Example-Login Page Screen

Logo

This function allows service provider to upload the customer’s logo image file which can be shown on the standard login page and account printout of PC-connected printer.

CUSTOMIZATION

Login Page **Logo** Information Window Account Printout Credit Card User Agreement Page

Upload a logo image to be shown on the standard login page and account printout.

HANLINK

Maximum file size is 60 kbytes. Recommended dimension is approximately 200x50 pixels.

Figure 3-2-37 Logo Setting Screen

Item	Default	Description
File Path	Empty	Enter the file pathname of the logo file in the File Path field.

Click **Apply** button to save the logo file to system.

Click **Delete** button to delete the logo file.

Information Window

This function allow service provider can decide whether they want an “Information Window” pop-up on subscriber PC when authenticate successful or not and specified text of information window. Subscriber can type “http://1.1.1.1/info” to open the information window again or enter “http://1.1.1.1/logout” to logout immediately if accumulation billing selected.

CUSTOMIZATION

Login Page | Logo | **Information Window** | Account Printout | Credit Card | User Agreement Page

Customize the pop-up message that appears after successful subscriber login. The subscriber can type http://1.1.1.1/info to open this window again.

Display Information Window after a subscriber logs in successfully

Information Window Type: Redirect Pop Up Allow subscriber to close the pop-up window

Information Window Contents	Window Name	Information Window (Max. 30 character)	
	Main message	You can use Internet now! (Max. 30 character)	
	Message Description	This is an information window (Max. 150 character)	
	Time count label	Remaining Usage (Max. 30 character)	
	<input type="checkbox"/> Warning/Alarm message	If you want to stop using the (Max. 150 character)	
	<input type="checkbox"/> Notice Message	Notice Text 1	Notice! (Max. 150 character)
		Notice Text 2	If you are using a VPN (virtu (Max. 150 character)
Notice Text 3		(Max. 150 character)	

[Preview](#) [Apply](#)

Figure 3-2-38 Example-Login Page Screen



Figure 3-2-39 Information Window

Billing Type=Time to Finish

Can be replenished by subscriber=Enable



Figure 3-2-40 Information Window

Billing Type=Accumulation

Can be replenished by subscriber=Disable



Figure 3-2-41 Information Window

Billing Type=Accumulation

Can be replenished by subscriber=Enable



Figure 3-2-42 Information Window

Account Printout

This function allow service provider to specified text of account printout.

CUSTOMIZATION

Login Page | Logo | Information Window | **Account Printout** | Credit Card | User Agreement Page

<input checked="" type="checkbox"/> Logo	* Only for connected printer	
<input checked="" type="checkbox"/> Title:	<input checked="" type="radio"/> Format 1: <input type="text" value="Welcome!"/> (Max=75) <input type="radio"/> Format 2: <input type="text" value="Welcome!"/> (Max=75)	
<input checked="" type="checkbox"/> Subtitle:	<input checked="" type="radio"/> Format 1: <input type="text" value="WG-500P"/> (Max=60) <input type="radio"/> Format 2: <input type="text" value="WG-500P"/> (Max=60)	
Username:	<input type="text" value="Username:"/>	(Max=24)
Password:	<input type="text" value="Password:"/>	(Max=24)
<input checked="" type="checkbox"/> Billing Method:	<input type="text" value="Billing:"/> (Max=24) Time to Finish : <input type="text" value="Time to Finish"/> (Max=24) <input type="text" value="Accumulation:"/> (Max=24)	
<input checked="" type="checkbox"/> Billing Profile:	<input type="text" value="Service:"/>	(Max=24)
<input checked="" type="checkbox"/> Purchase Unit	<input type="text" value="Unit:"/>	(Max=24)
<input checked="" type="checkbox"/> Usage Time:	<input type="text" value="Usage Time:"/>	(Max=24)
<input checked="" type="checkbox"/> Price:	<input type="text" value="Total"/>	(Max=24)
<input checked="" type="checkbox"/> Tax:	<input type="text" value="Tax:"/> (Max=24) TOTAL : <input type="text" value="Total"/> (Max=24)	
ESSID:	<input type="text" value="ESSID:"/>	(Max=24)
<input checked="" type="checkbox"/> Wireless Security	WPA : <input type="text" value=""/> (Max=24) WPA2 : <input type="text" value=""/> (Max=24) MixMode : <input type="text" value=""/> (Max=24)	
<input checked="" type="checkbox"/> Additional Label 1:	<input type="text" value=""/> (Max=24) Value : <input type="text" value=""/> (Max=24)	
<input checked="" type="checkbox"/> Additional Label 2:	<input type="text" value=""/> (Max=24) Value : <input type="text" value=""/> (Max=24)	
<input checked="" type="checkbox"/> Print out Time:	Format : <input type="text" value="yyyy/mm/dd"/> HH : mm : ss (HH:24h hh:12h ll:AMP/PM)	
<input checked="" type="checkbox"/> Expiration Time:	Description: <input type="text" value="Activate your account before:"/> (Max=24x3) Format : <input type="text" value="yyyy/mm/dd"/> HH : mm : ss (HH:24h hh:12h ll:AMP/PM) Accumulation: <input type="text" value="Please finish your usage time within 3 months after your last login."/> (Max=24x4)	
<input checked="" type="checkbox"/> Ending:	<input type="text" value="Thank you!"/>	(Max=24x10)
<input checked="" type="checkbox"/> QR Code:	Printout the QR Code.	

Figure 3-2-43 Account Printout Customization Setting Screen

Note: If you don't print out QR code on the ticket, please disable "QR Code".

Credit Card

CUSTOMIZATION

Login Page | Logo | Information Window | Account Printout | **Credit Card** | User Agreement Page

Standard Login Page	<p>Customize the additional credit card message for the standard login page:</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">Credit Card Message</td> <td style="width: 50%;">or Click here to pay by cred (Max:80 characters)</td> </tr> </table> <p>Preview Standard Login Page</p>	Credit Card Message	or Click here to pay by cred (Max:80 characters)																																												
Credit Card Message	or Click here to pay by cred (Max:80 characters)																																														
Service Selection Page	<p>Customize the message for the service selection page:</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>Service Selection Message</td> <td>Choose from the following (Max:80 characters)</td> </tr> <tr> <td>Purchase Unit Message</td> <td>How much Internet access (Max:80 characters)</td> </tr> <tr> <td>Notification Message 1</td> <td>*Note: There is no refund o (Max:160 characters)</td> </tr> <tr> <td>Notification Message 2</td> <td>*Please note that time bloc (Max:160 characters)</td> </tr> <tr> <td>Notification Message 3</td> <td>(Max:160 characters)</td> </tr> <tr> <td>Enter Payment Information</td> <td>Enter Payment Information (Max:160 characters)</td> </tr> <tr> <td>Enter Credit Card Number</td> <td>Credit card number: (Max:80 characters)</td> </tr> <tr> <td>Enter Credit Card expiration date</td> <td>Credit card expiration date: (Max:80 characters)</td> </tr> <tr> <td><input type="checkbox"/> Card Verification Value</td> <td>Security code: (Max:80 characters)</td> </tr> <tr> <td>Enter Email Address</td> <td>Enter Email Address: (Max:80 characters)</td> </tr> <tr> <td>Email Button</td> <td>Email this webpage to mys (Max:40 characters)</td> </tr> <tr> <td>Submit Button</td> <td>Submit Transaction and Lc (Max:40 characters)</td> </tr> </table> <p>Additional Customer Data Merchants may provide additional customer information with a transaction, based on their respective requirements.</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td><input type="checkbox"/> Credit Card Code</td> <td>Credit Card Code: (Max:80 characters)</td> </tr> <tr> <td><input type="checkbox"/> Customer ID</td> <td>Customer ID: (Max:40 characters)</td> </tr> <tr> <td><input type="checkbox"/> First/Last Name</td> <td>First Name: (Max:20 characters) Last Name: (Max:20 characters)</td> </tr> <tr> <td><input type="checkbox"/> Company</td> <td>Company: (Max:40 characters)</td> </tr> <tr> <td><input type="checkbox"/> Address</td> <td>Address: (Max:40 characters)</td> </tr> <tr> <td><input type="checkbox"/> City</td> <td>City: (Max:40 characters)</td> </tr> <tr> <td><input type="checkbox"/> State/Province</td> <td>State/Province: (Max:40 characters)</td> </tr> <tr> <td><input type="checkbox"/> ZIP/Postal Code</td> <td>ZIP/Postal Code: (Max:40 characters)</td> </tr> <tr> <td><input type="checkbox"/> Country</td> <td>Country: (Max:40 characters)</td> </tr> <tr> <td><input type="checkbox"/> Phone</td> <td>Phone: (Max:40 characters)</td> </tr> <tr> <td><input type="checkbox"/> Fax</td> <td>Fax: (Max:40 characters)</td> </tr> </table> <p>Preview of Service Selection Page</p>	Service Selection Message	Choose from the following (Max:80 characters)	Purchase Unit Message	How much Internet access (Max:80 characters)	Notification Message 1	*Note: There is no refund o (Max:160 characters)	Notification Message 2	*Please note that time bloc (Max:160 characters)	Notification Message 3	(Max:160 characters)	Enter Payment Information	Enter Payment Information (Max:160 characters)	Enter Credit Card Number	Credit card number: (Max:80 characters)	Enter Credit Card expiration date	Credit card expiration date: (Max:80 characters)	<input type="checkbox"/> Card Verification Value	Security code: (Max:80 characters)	Enter Email Address	Enter Email Address: (Max:80 characters)	Email Button	Email this webpage to mys (Max:40 characters)	Submit Button	Submit Transaction and Lc (Max:40 characters)	<input type="checkbox"/> Credit Card Code	Credit Card Code: (Max:80 characters)	<input type="checkbox"/> Customer ID	Customer ID: (Max:40 characters)	<input type="checkbox"/> First/Last Name	First Name: (Max:20 characters) Last Name: (Max:20 characters)	<input type="checkbox"/> Company	Company: (Max:40 characters)	<input type="checkbox"/> Address	Address: (Max:40 characters)	<input type="checkbox"/> City	City: (Max:40 characters)	<input type="checkbox"/> State/Province	State/Province: (Max:40 characters)	<input type="checkbox"/> ZIP/Postal Code	ZIP/Postal Code: (Max:40 characters)	<input type="checkbox"/> Country	Country: (Max:40 characters)	<input type="checkbox"/> Phone	Phone: (Max:40 characters)	<input type="checkbox"/> Fax	Fax: (Max:40 characters)
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Notification Message 3	(Max:160 characters)																																														
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<input type="checkbox"/> Customer ID	Customer ID: (Max:40 characters)																																														
<input type="checkbox"/> First/Last Name	First Name: (Max:20 characters) Last Name: (Max:20 characters)																																														
<input type="checkbox"/> Company	Company: (Max:40 characters)																																														
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<input type="checkbox"/> ZIP/Postal Code	ZIP/Postal Code: (Max:40 characters)																																														
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Successful Page	<p>Customize the message for the successful page:</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>Successful Message</td> <td>You may now use the Inter (Max:80 characters)</td> </tr> <tr> <td>Notification Message 1</td> <td>IMPORTANT! Make a note (Max:160 characters)</td> </tr> <tr> <td>Notification Message 2</td> <td>(Max:160 characters)</td> </tr> <tr> <td>Account Information</td> <td>This is your account infurr (Max:160 characters)</td> </tr> <tr> <td>Username</td> <td>Your username is (Max:80 characters)</td> </tr> <tr> <td>Password</td> <td>Your password is (Max:80 characters)</td> </tr> <tr> <td>Usage Time</td> <td>Your usage time is (Max:80 characters)</td> </tr> <tr> <td>Expiration Time</td> <td>Please activate your accou (Max:80 characters)</td> </tr> <tr> <td></td> <td>Format : yyyy/mm/dd HH : mm : ss (0-24h hh:12h:AM/PM) </td> </tr> <tr> <td>Email Button</td> <td>E-mail this webpage to my (Max:40 characters)</td> </tr> <tr> <td>Submit Button</td> <td>Use this account to LOGIN (Max:40 characters)</td> </tr> </table> <p>Preview of Successful Page</p>	Successful Message	You may now use the Inter (Max:80 characters)	Notification Message 1	IMPORTANT! Make a note (Max:160 characters)	Notification Message 2	(Max:160 characters)	Account Information	This is your account infurr (Max:160 characters)	Username	Your username is (Max:80 characters)	Password	Your password is (Max:80 characters)	Usage Time	Your usage time is (Max:80 characters)	Expiration Time	Please activate your accou (Max:80 characters)		Format : yyyy/mm/dd HH : mm : ss (0-24h hh:12h:AM/PM)	Email Button	E-mail this webpage to my (Max:40 characters)	Submit Button	Use this account to LOGIN (Max:40 characters)																								
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Email Button	E-mail this webpage to my (Max:40 characters)																																														
Submit Button	Use this account to LOGIN (Max:40 characters)																																														
Fail Page	<p>Customize the message for the fail page:</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>Notification Message 1</td> <td>Your card could not be pro (Max:160 characters)</td> </tr> <tr> <td>Notification Message 2</td> <td>Please enter a different cre (Max:160 characters)</td> </tr> <tr> <td>Notification Message 3</td> <td>Thank you! (Max:160 characters)</td> </tr> <tr> <td>Try Again Button</td> <td>Try Again (Max:40 characters)</td> </tr> </table> <p>Preview of Fail Page</p>	Notification Message 1	Your card could not be pro (Max:160 characters)	Notification Message 2	Please enter a different cre (Max:160 characters)	Notification Message 3	Thank you! (Max:160 characters)	Try Again Button	Try Again (Max:40 characters)																																						
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Notification Message 3	Thank you! (Max:160 characters)																																														
Try Again Button	Try Again (Max:40 characters)																																														

[Apply](#)

Figure 3-2-44 Credit Customization Setting Screen

WG-500P Hotspot in a Printer

Item	Description
Standard Login Page	This function allow service provider to customize the additional credit card message for the standard login page.
Service Selection Page	This function allow service provider to customize the additional credit card message for the standard login page.
Fail Page	This function allow service provider to customize the message for the fail page.

Click **Apply** button, the success dialog box appears. Click on **Back** to return to Credit Card Customization setting screen.

User Agreement Page

This function allow user to design user agreement page of Internet Subscriber Server.

CUSTOMIZATION

Login Page	Logo	Information Window	Account Printout	Credit Card	User Agreement Page
------------	------	--------------------	------------------	-------------	----------------------------

Title	<input type="text" value="User Agreement Page"/> (max.100 Character)
Title Text Color	<input type="text" value="000000"/> View Color Grid
Article	<input type="text"/> (max.5000 Character)
Article Text Color	<input type="text" value="000000"/> View Color Grid
Article Background Color	<input type="text" value="FFFFFF"/> View Color Grid
Page Background Color	<input type="text" value="FFFFFF"/> View Color Grid
Agree Button	<input type="text" value="Agree"/> (max.50 Character)
Disagree Button	<input type="text" value="Do not agree"/> (max.50 Character)

[Preview Standard User Agreement Page](#)

Figure 3-2-45 User Agreement Page Setting Screen

3-2-5-5 Portal Page

This feature allows redirecting subscriber’s browser to a specified portal page after successful login.

PORTAL PAGE

Set to redirect subscriber to a portal page after successful login.

URL Link	URL : <input type="text" value="http://"/>
-----------------	--

Figure 3-2-46 Portal Page Setting Screen

Item	Default	Description
URL Link	Empty	Enter the URL Link page. The input format can be “http://www.yahoo.com”. The maximum character of the URL Link is 200.

Click **Apply** button, the success dialog box appears. Click on **Back** to return to Portal Page setting screen.

3-2-5-6 Advertisement

The system allow service provider to input 5 URL links for advertisement link purpose.

ADVERTISEMENT

Specify URLs for advertisements. Advertisements are displayed at the start of network access.

Frequency	<input checked="" type="radio"/> One Time Only <input type="radio"/> Every <input type="text" value="0"/> Min(s)
Sequence	<input checked="" type="radio"/> Randomly <input type="radio"/> Orderly (From 1 to 10)
URL Link 1	URL : <input type="text" value="http://"/> <input type="text"/>
URL Link 2	URL : <input type="text" value="http://"/> <input type="text"/>
URL Link 3	URL : <input type="text" value="http://"/> <input type="text"/>
URL Link 4	URL : <input type="text" value="http://"/> <input type="text"/>
URL Link 5	URL : <input type="text" value="http://"/> <input type="text"/>

Figure 3-2-47 Advertisement URL Link Setting Screen

Item	Default	Description
Frequency	One Time Only	One Time Only—One Time Only means to send the advertisement link once after the subscriber Login. Every~Min(s)—The field means to send the advertisement link every interval minutes. The value range is 1 to 60 (minutes).
Sequence	Randomly	Randomly—Display the advertisement page in the random order. From 1 to 10 —Display the advertisement page in the order as setting.
URL Link 1~5	Empty	This function allows the administrator to input ten different websites in the table for advertisement. And these 5 websites will display to the subscribers at random when the subscribers login in the WG-500P system. The input format can be "http://www.yahoo.com". The maximum character of the URL Link # is 200.

Click **Apply** button, the success dialog box appears. Click on **Back** to return to Advertisement URL Link setting screen.

3-2-5-7 Walled Garden

We prepare ten URL links that allows subscriber to access the specific Web pages even they didn't have a username or password. It's free trying and can use for advertisement.

WALLED GARDEN

Specify URLs that can be accessed without a username and password. These URLs are commonly used for advertisement or promotional purposes.

Link 1	Name: <input type="text"/> URL : <input type="text" value="http://"/> <input type="text"/>
Link 2	Name: <input type="text"/> URL : <input type="text" value="http://"/> <input type="text"/>
Link 3	Name: <input type="text"/> URL : <input type="text" value="http://"/> <input type="text"/>
Link 4	Name: <input type="text"/> URL : <input type="text" value="http://"/> <input type="text"/>
Link 5	Name: <input type="text"/> URL : <input type="text" value="http://"/> <input type="text"/>

Figure 3-2-48 Walled Garden Setting Screen

Item	Description
Name	The name is allowed user to set the prompt string in user customize login page. The maximum allowed characters length is 80.
URL 1~5	The input format can be "http://www.yahoo.com". The maximum character of the Link# is 200.

Click **Apply** button, the success dialog box appears. Click on **Back** to return to Walled Garden setting screen.

3-2-5-8 DDNS

The DDNS service (Dynamic Domain Name Service), an IP Registry provides a public central database where information such as email addresses, host names, IP addresses etc. can be stored and retrieved. This solves the problems if your DNS server uses an IP associated with dynamic IP addresses. When the ISP assigns the WG-500P a new IP, the WG-500P must inform the DDNS server the change of this IP so that the server can update its IP-to-DNS entry. Once the IP-to-DNS table in the DDNS server is updated, the DNS name for your web server (i.e., xyz.dyndns.org) is still usable.

Force to update every hour(s) when WAN IP address does not change.

No.	Active	Settings <input type="button" value="Update Status Now"/>
01	<input type="checkbox"/>	<p>Status : N/A</p> <p>Service Provider: <input type="text" value="dyndns.org (www.dyndns.org)"/> <input type="button" value="v"/></p> <p>Registered Host Name: <input type="text"/> (Example: xyz.dyndns.org)</p> <p>Login Name: <input type="text"/> (max. 23 characters)</p> <p>Password: <input type="text"/> (max. 23 characters)</p> <p>Email Address: <input type="text"/> (optional)</p> <p><input type="checkbox"/> Wildcards (optional)</p>
02	<input type="checkbox"/>	<p>Status : N/A <input type="checkbox"/> Wildcards (optional)</p> <p>Service Provider: <input type="text" value="dyndns.org (www.dyndns.org)"/> <input type="button" value="v"/></p> <p>Registered Host Name: <input type="text"/> (Example: xyz.dyndns.org)</p> <p>Login Name: <input type="text"/> (max. 23 characters)</p> <p>Password: <input type="text"/> (max. 23 characters)</p> <p>Email Address: <input type="text"/> (optional)</p> <p><input type="checkbox"/> Wildcards (optional)</p>
03	<input type="checkbox"/>	<p>Status : N/A</p> <p>Service Provider: <input type="text" value="dyndns.org (www.dyndns.org)"/> <input type="button" value="v"/></p> <p>Registered Host Name: <input type="text"/> (Example: xyz.dyndns.org)</p> <p>Login Name: <input type="text"/> (max. 23 characters)</p> <p>Password: <input type="text"/> (max. 23 characters)</p> <p>Email Address: <input type="text"/> (optional)</p> <p><input type="checkbox"/> Wildcards (optional)</p>

Figure 3-2-49 DDNS Setting Screen

Item	Default	Description
Force to update every~day(s) when WAN IP address keeps no change	1 day	Enter a number in the field to set the force update interval (in days).
No	01~03	The index number of a DDNS account.
Active	Disable	Click on check box, active or inactive the DDNS record.
Update Status Now	Click the Update Status Now button to do manual update.	
Settings	Enter the account information of DDNS Server.	
Status	YY/MM/DD HH:MM:SS	Display the update date, time and status. The Status area shows the update time and current state of the DDNS Client. N/A—DDNS Client service not installed. Update Successfully—DDNS Client service installed; service running. Update Fail—DDNS Client service installed; service not running.
Service Provider	Dyndns.org (www.dyndns.org)	Select a DDNS service provider by clicking in the list box. Note: Before configuring the DDNS settings, you have to register a dynamic domain at one of the dynamic domain service providers' list box.
Registered Host Name	Empty	Enter the host name of DDNS server. The maximum character of the registered host name is 100.
Login Name	Empty	Enter the user name of DDNS server.
Password	Empty	Enter the user password of DDNS server.
Email Address	Empty	Enter your email address. The DDNS Server will e-mail you important information once your Internet Name has been successfully registered.
Wildcards (optional)	Disable	Enable this function to be able to use *.mydomain.dyndns.org and not only mydomain.dyndns.org.

Click **Apply** button, the success dialog box appears. Click on Back to return to DDNS setting screen.

3-2-5-9 Wireless

WIRELESS

General Setting	Wireless Connection : <input type="button" value="Enable"/> Channel : <input type="button" value="6"/> 802.11 Mode : <input type="button" value="802.11n + 802.11g + 802.11b"/> Channel Width : <input type="button" value="Auto 20/40 MHz"/>																				
Multiple ESSID Setting	<table border="1"> <thead> <tr> <th>Item</th> <th>ESSID</th> <th>Security</th> <th>Edit</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Wireless-1234_1</td> <td>Open</td> <td><input type="button" value="Edit"/></td> </tr> <tr> <td>2</td> <td>Wireless-1234_2</td> <td>Open</td> <td><input type="button" value="Edit"/></td> </tr> <tr> <td>3</td> <td>Wireless-1234_3</td> <td>Open</td> <td><input type="button" value="Edit"/></td> </tr> <tr> <td>4</td> <td>Wireless-1234_4</td> <td>Open</td> <td><input type="button" value="Edit"/></td> </tr> </tbody> </table>	Item	ESSID	Security	Edit	1	Wireless-1234_1	Open	<input type="button" value="Edit"/>	2	Wireless-1234_2	Open	<input type="button" value="Edit"/>	3	Wireless-1234_3	Open	<input type="button" value="Edit"/>	4	Wireless-1234_4	Open	<input type="button" value="Edit"/>
Item	ESSID	Security	Edit																		
1	Wireless-1234_1	Open	<input type="button" value="Edit"/>																		
2	Wireless-1234_2	Open	<input type="button" value="Edit"/>																		
3	Wireless-1234_3	Open	<input type="button" value="Edit"/>																		
4	Wireless-1234_4	Open	<input type="button" value="Edit"/>																		
<p style="color: red; font-size: small;">Do not change the below settings unless you are aware of the possible results. Click Default to restore the factory default settings.</p>																					
Beacon Interval	<input type="text" value="100"/> (msec, range:1~1000, default:200)																				
RTS Threshold	<input type="text" value="2342"/> (range:256~2342, default:2342)																				
Fragmentation Threshold	<input type="text" value="2346"/> (range:256~2346, default:2346, even numbers only)																				
Preamble Type	<input type="radio"/> Short Preamble <input checked="" type="radio"/> Long Preamble <input type="radio"/> Dynamic Preamble																				
<input type="button" value="Default"/> <input type="button" value="Apply"/>																					

Figure 3-2-50 Wireless Setting Screen

Item	Default	Description
General Settings		
Wireless Connection	Enable	To Enable or Disable wireless connection.
Channel	6	Select the channel ID for wireless connection.
Multiple ESSID Setting	Click Edit button for each of 4 ESSID setting.	

Figure 3-2-51 ESSID Setting Screen

General Settings		
ESSID		The ESSID's name by default is related to the last 4 numbers of Wlan MAC. If the Wlan MAC is "00-90-0E-00-12-34" , the default is "Wireless-1234_1(2,3,4)". It is case sensitive and must not exceed 32 characters.

Security Settings		
Security	Open	Select Open to allow wireless station to communicate with the device without any data encryption. Select WPA / WPA2 / MixMode for data encryption.
Group Key Re-Keying	86400 Seconds	Enter a number in the field to set the force re-keying interval.
Use WPA or WPA2 with Pre-shared Key	Disable	
Pre-Shared Key	Empty	Enter a pre-shared key from 8 to 63 case sensitive ASCII characters.
Use WPA or WPA2 with 802.1x	Disable	
RADIUS Server IP/Domain	Empty	Enter the RADIUS server IP address or domain name. The maximum allowed characters length is 15.
Authentication Port	Empty	Enter the authentication port number. The allowed numbers

WG-500P Hotspot in a Printer

		are from 0 to 65535.
Share Secret Key	Empty	Enter the RADIUS secret key
Beacon Interval	200	This value valid range is 1 to 1000 indicates the frequency interval of the beacon.
RTS Threshold	2347	This value valid range is 256-2342. This setting determines the packet size at which the WG-500P issues a request to send (RTS) before sending the packet. A low RTS Threshold setting can be useful in areas where many client devices are associating with the WG-500P, or in areas where the clients are far apart and can detect only the WG-500P and not each other.
Fragmentation Threshold	2432	This setting determines the size at which packets are fragmented. Enter a setting ranging from 256 to 2432 bytes. Use a low setting in areas where communication is poor or where there is a great deal of radio interference.
Preamble Type	Long Preamble	The preamble type is a section of data at the head of a packet that contains information the WG-500P and client devices need when sending and receiving packets. The setting menu allows you to select a long, short or dynamic preamble type.

Click **Apply** button, the restart dialog box appears. Click on **Apply** to restart the system.

Click **Default** button to load the default manufacturer configuration to the system. All this page (Wireless) configuration setup will be replaced by default settings.

3-3 System Status

Display WG-500P system basic status, including,

1. System
2. Account List
3. Account Log
4. Current User
5. DHCP Clients
6. Session List

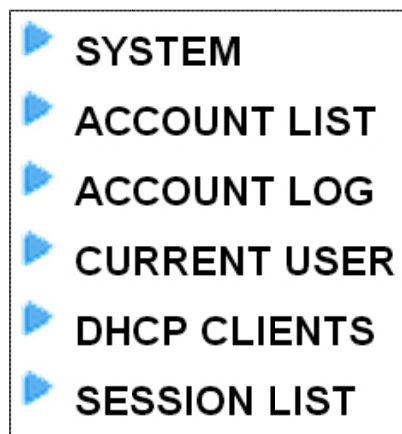


Figure 3-3-1 System Status Item Screen

3-3-1 System

The System Information Menu displays current system basic information including the service connection message, host name, LAN, WAN, DHCP Configuration, DNS, E-mail Redirection, SSL Certificate, network traffic Information and the system firmware version number.

SYSTEM																					
Detailed system information. refresh																					
Service	<table border="1"> <tr> <td>Internet Connection</td> <td>Fail</td> </tr> <tr> <td>Wireless Service</td> <td>OK</td> </tr> </table>	Internet Connection	Fail	Wireless Service	OK																
Internet Connection	Fail																				
Wireless Service	OK																				
System	<table border="1"> <tr><td>System Name</td><td></td></tr> <tr><td>Domain Name</td><td></td></tr> <tr><td>Firmware Version</td><td>1.07.06</td></tr> <tr><td>Controller Board Firmware Version</td><td>1.00.00</td></tr> <tr><td>Wireless Version</td><td>1.00a</td></tr> <tr><td>Bootrom Version</td><td>1.03</td></tr> <tr><td>WAN MAC Address</td><td>00:90:0E:00:6D:C1</td></tr> <tr><td>WLAN MAC Address</td><td>00:90:0E:00:6D:C0</td></tr> <tr><td>System Time</td><td>2004/7/2 17:10:35</td></tr> <tr><td>System Up Time</td><td>000:01:02M:48S</td></tr> </table>	System Name		Domain Name		Firmware Version	1.07.06	Controller Board Firmware Version	1.00.00	Wireless Version	1.00a	Bootrom Version	1.03	WAN MAC Address	00:90:0E:00:6D:C1	WLAN MAC Address	00:90:0E:00:6D:C0	System Time	2004/7/2 17:10:35	System Up Time	000:01:02M:48S
System Name																					
Domain Name																					
Firmware Version	1.07.06																				
Controller Board Firmware Version	1.00.00																				
Wireless Version	1.00a																				
Bootrom Version	1.03																				
WAN MAC Address	00:90:0E:00:6D:C1																				
WLAN MAC Address	00:90:0E:00:6D:C0																				
System Time	2004/7/2 17:10:35																				
System Up Time	000:01:02M:48S																				
LAN IP	<table border="1"> <tr><td>IP Address</td><td>10.59.1.1</td></tr> <tr><td>Subnet Mask</td><td>255.0.0.0</td></tr> </table>	IP Address	10.59.1.1	Subnet Mask	255.0.0.0																
IP Address	10.59.1.1																				
Subnet Mask	255.0.0.0																				
WAN IP	<table border="1"> <tr><td>WAN Port Mode</td><td>DHCP Client</td></tr> <tr><td>IP Address</td><td>None</td></tr> <tr><td>Subnet Mask</td><td>None</td></tr> <tr><td>Gateway IP address</td><td>None</td></tr> </table>	WAN Port Mode	DHCP Client	IP Address	None	Subnet Mask	None	Gateway IP address	None												
WAN Port Mode	DHCP Client																				
IP Address	None																				
Subnet Mask	None																				
Gateway IP address	None																				
DNS	<table border="1"> <tr><td>Primary DNS Server</td><td></td></tr> <tr><td>Secondary DNS Server</td><td></td></tr> </table>	Primary DNS Server		Secondary DNS Server																	
Primary DNS Server																					
Secondary DNS Server																					
DHCP	<table border="1"> <tr><td>DHCP Status</td><td>Server</td></tr> <tr><td>Start IP Address</td><td>10.59.1.2</td></tr> <tr><td>End IP Address</td><td>10.59.1.254</td></tr> <tr><td>Lease Time</td><td>300</td></tr> </table>	DHCP Status	Server	Start IP Address	10.59.1.2	End IP Address	10.59.1.254	Lease Time	300												
DHCP Status	Server																				
Start IP Address	10.59.1.2																				
End IP Address	10.59.1.254																				
Lease Time	300																				
Wireless	<table border="1"> <tr><td>Channel</td><td>10</td></tr> <tr><td>ESSID 1</td><td>Wireless-1234_1</td></tr> <tr><td>ESSID 2</td><td>Wireless-1234_2</td></tr> <tr><td>ESSID 3</td><td>Wireless-1234_3</td></tr> <tr><td>ESSID 4</td><td>Wireless-1234_4</td></tr> </table>	Channel	10	ESSID 1	Wireless-1234_1	ESSID 2	Wireless-1234_2	ESSID 3	Wireless-1234_3	ESSID 4	Wireless-1234_4										
Channel	10																				
ESSID 1	Wireless-1234_1																				
ESSID 2	Wireless-1234_2																				
ESSID 3	Wireless-1234_3																				
ESSID 4	Wireless-1234_4																				
E-Mail Redirection																					
Network Traffic	<table border="1"> <tr> <td>WAN Traffic</td> <td>Tx Data: 560 Rx Data: 0 Tx Error: 0 Rx Error: 0</td> </tr> <tr> <td>LAN Traffic</td> <td>Tx Data: 4081 Rx Data: 3645 Tx Error: 0 Rx Error: 0</td> </tr> <tr> <td>ESSID 1 Traffic</td> <td>Tx Data: 5 Rx Data: 0 Tx Error: 0 Rx Error: 0</td> </tr> <tr> <td>ESSID 2 Traffic</td> <td>Tx Data: 5 Rx Data: 0 Tx Error: 0 Rx Error: 0</td> </tr> </table>	WAN Traffic	Tx Data: 560 Rx Data: 0 Tx Error: 0 Rx Error: 0	LAN Traffic	Tx Data: 4081 Rx Data: 3645 Tx Error: 0 Rx Error: 0	ESSID 1 Traffic	Tx Data: 5 Rx Data: 0 Tx Error: 0 Rx Error: 0	ESSID 2 Traffic	Tx Data: 5 Rx Data: 0 Tx Error: 0 Rx Error: 0												
WAN Traffic	Tx Data: 560 Rx Data: 0 Tx Error: 0 Rx Error: 0																				
LAN Traffic	Tx Data: 4081 Rx Data: 3645 Tx Error: 0 Rx Error: 0																				
ESSID 1 Traffic	Tx Data: 5 Rx Data: 0 Tx Error: 0 Rx Error: 0																				
ESSID 2 Traffic	Tx Data: 5 Rx Data: 0 Tx Error: 0 Rx Error: 0																				
Location Information	<table border="1"> <tr><td>Location</td><td></td></tr> <tr><td>Address</td><td></td></tr> <tr><td>City</td><td></td></tr> <tr><td>State</td><td></td></tr> <tr><td>Zip</td><td></td></tr> <tr><td>Country</td><td></td></tr> <tr><td>Contact Name</td><td></td></tr> <tr><td>Contact Telephone</td><td></td></tr> <tr><td>Contact FAX</td><td></td></tr> <tr><td>Contact Email</td><td></td></tr> </table>	Location		Address		City		State		Zip		Country		Contact Name		Contact Telephone		Contact FAX		Contact Email	
Location																					
Address																					
City																					
State																					
Zip																					
Country																					
Contact Name																					
Contact Telephone																					
Contact FAX																					
Contact Email																					
SSL Certificate	<table border="1"> <tr><td>Country</td><td>00</td></tr> <tr><td>State</td><td>Local State</td></tr> <tr><td>Local City</td><td>Local City</td></tr> <tr><td>Organization</td><td>Local Group</td></tr> <tr><td>Organization Unit</td><td>Local Host</td></tr> <tr><td>Common Name</td><td>1.1.1.1</td></tr> <tr><td>Email Address</td><td>mail@1.1.1.1</td></tr> </table>	Country	00	State	Local State	Local City	Local City	Organization	Local Group	Organization Unit	Local Host	Common Name	1.1.1.1	Email Address	mail@1.1.1.1						
Country	00																				
State	Local State																				
Local City	Local City																				
Organization	Local Group																				
Organization Unit	Local Host																				
Common Name	1.1.1.1																				
Email Address	mail@1.1.1.1																				

Figure 3-3-2 System Status Screen

3-3-2 Account List

You can display a list of all the account information on this device. This table includes the username, password, usage time, time created, login time, expiration time and status.

ACCOUNT LIST

List existing accounts. [refresh](#)

S/N	Status	Username	Usage Time	Time Created	Login Time	Time left	Delete
00001	Finished	ca12vc23	00:30:00	05/06/2013 08:21:25	05/06/2013 08:29:55	00:30:00	<input type="checkbox"/>
00001	Un-Used	vc2312ac	01:00:00	05/06/2013 08:21:25		01:00:00	<input type="checkbox"/>

GO 1 PAGE

Delete Delete ALL
First Previous Next End

Figure 3-3-3 Account List

Click **refresh** button to update the account list page.

Click the column button (S/N, Status, Username,,etc.) to sort the column in ascending/descending order.

Select the check boxes and click **Delete** to delete the accounts.

Click **Delete ALL** button to delete all accounts in account list.

Note: This page will refresh automatically every 5 minutes.

3-3-3 Account Log

The account log shows the accounts' log information.

ACCOUNT LOG

List log of accounts: Export **Clear Log** refresh

S/N	Username	Time Created	Login Time	Usage Time	Charge	Payment Info	Status
000013	wzc5	2013-05-09 14:35:36		01:00:00	2	Cash	Expired
000014	byha	2013-05-09 15:55:30		01:00:00	2	Cash	Delete
000015	63nv	2013-05-10 10:23:09		00:30:00	1	Credit Card	Un-Used
000016	pxvd	2013-05-10 10:23:13		01:00:00	2	Cash	Expired

GO 1 PAGE

First Previous Next End

Figure 3-3-4 Account Log

Click **Export** to export the account logs to a text file format. (export.log)

Click **Clear Log** button to remove all account log entries.

Click **refresh** button to update the account log page.

Click the column button (S/N, Username, Time Created, ...,etc.) to sort the column in ascending/descending order.

3-3-4 Current User

Display the current logged-in subscribers' status. It allow service provider to disconnect any subscribers.

CURRENT USERS

No.	Interface	Type	Username	IP Address	MAC Address	Session	Delete
1.	Ethernet	Dynamic	6866gvqx	10.59.1.2	00:0C:6E:56:33:CF	10	<input type="checkbox"/>
2	ESSID 1	Dynamic	ld93k5j7	10.59.1.3	00:90:6E:56:33:CF	100	<input type="checkbox"/>
3	ESSID 2	No-Auth	-	10.59.1.4	00:90:6E:56:83:C1	56	<input type="checkbox"/>
4	ESSID 3	No-Auth	-	10.59.1.5	00:90:6E:AC:FF:C1	100	<input type="checkbox"/>
5	ESSID 4	No-Auth	-	10.59.1.6	00:AC:6E:EC:FF:C1	100	<input type="checkbox"/>
6	ESSID 1	Super	Super	10.59.1.12	00:90:9F:56:83:C1	100	<input type="checkbox"/>

GO 1 PAGE Delete Delete ALL

First Previous Next End

Figure 3-3-5 Current User List

Click **refresh** button to update the current user list page.

Click the column button (Interface, Type, Username, IP Address, ..., etc.) to sort the column in ascending/descending order.

Select the check boxes and click '**Delete**' to delete accounts.

Click **Delete ALL** to delete all accounts in current user list.

3-3-5 DHCP Clients

The DHCP client table shows the current DHCP users on the LAN.

DHCP CLIENTS

DHCP Client Information

Refresh DHCP Client information every minutes. (1~60 minute)

No.	MAC Address	IP Address
-----	-------------	------------

Figure 3-3-6 Current User Screen

3-3-6 Session List

The remote site administrator could monitor the real time usage status of WG-500P via this page.

SESSION LIST

List sessions of Network events: Incoming and outgoing packet information, including source IP address, destination IP address, and port number.

Refresh session list every minutes. (1~60 minute)

No.	TCP/UDP	Client IP	Client Port	Translated Port	Remote IP	Remote Port	Idle
-----	---------	-----------	-------------	-----------------	-----------	-------------	------

GO PAGE

First Previous Next End

Figure 3-3-7 Session List Screen

3-4 System Tools

This allows service provider or administrator to process Firmware upgrade, change password and backup or restore configuration.

1. Configuration
2. Firmware
3. Boot Code
4. Controller Board Firmware
5. System Account
6. SSL Certificate
7. Ping Command
8. Restart
9. Logout



Figure 3-4-1 System Tools Item

3-4-1 Configuration

Use the Configuration item to save, restore or reset configuration parameters of the WG-500P.

CONFIGURATION

Backup the system configuration from this device to your PC or restore your stored system configuration to this device.

Backup	Click Backup to backup the system configuration from this device to your computer or to the remote TFTP server. Remote TFTP Server IP Address : <input type="text"/> File Name : <input type="text"/>
Restore	To restore your stored system configuration to this device.. Local PC File Path : <input type="text"/> <input type="button" value="Select..."/> Remote TFTP Server IP Address : <input type="text"/> File Name : <input type="text"/>
Reset the system back to factory defaults	<input type="checkbox"/> Keep subscriber profile

Figure 3-4-2 Configuration Setting Screen

Item	Default	Description
Backup		Click it to save the system configuration to your computer. (export.cfg)
Remote TFTP Server IP Address	Empty	Enter the IP address of TFTP Server.
File Name	Empty	Enter the file name in the File Name field.
Restore		Click it to restore your system configuration.
Local PC File Path	Empty	Enter the file pathname of the system configuration file in the Local PC File Path field.
Remote TFTP Server IP Address	Empty	Enter the IP address of TFTP Server.
File Name	Empty	Enter the file name in the File Name field.
Reset the system back to factory defaults		Erase all setting and back to factory setting.
Keep subscriber profile	Disable	Click the keep subscriber profile to change all the parameters into factory setting but still reserve the subscriber profiles.

3-4-2 Firmware Upgrade

The Firmware Upgrade menu loads updated firmware to be permanent in flash ROM. The download file should be a binary file from factory; otherwise the agent will not accept it. After downloading the new firmware, the agent will automatically restart it.

Manual Firmware Upgrade

FIRMWARE

Manual Firmware Upgrade Scheduled Firmware Upgrade

To upgrade firmware, click **Select** to locate the firmware file, or specify a remote TFTP server and file name, and click **Apply**.

Local PC File Path

Remote TFTP Server IP Address

File Name

Figure 3-4-3 Manual Firmware Upgrade Setting Screen

Item	Default	Description
This allow administrator to upgrade the firmware via HTTP.		
Local PC File Path	Empty	Enter the file name and location in the Local PC File Path field.
This allows administrator use TFTP server to upgrade firmware.		
Remote TFTP Server IP Address	Empty	Enter the IP address of TFTP Server.
File Name	Empty	Enter the file name in the File Name field.

Note:

1. Before downloading the new firmware, users must save the configuration file for restore configuration parameters of the device.
2. Do not turn the power off during the upgrade process. This will damage the unit.

Scheduled Firmware Upgrade

Scheduled Firmware Upgrade is a program that enables an automatic upgrade to the latest firmware version through the TFTP server.

FIRMWARE

Manual Firmware Upgrade Scheduled Firmware Upgrade

To upgrade firmware, click **Select** to locate the firmware file, or specify a remote TFTP server and file name, and click **Apply**.

Local PC File Path

Remote TFTP Server IP Address

File Name

Figure 3-4-4 Scheduled Firmware Upgrade Setting Screen

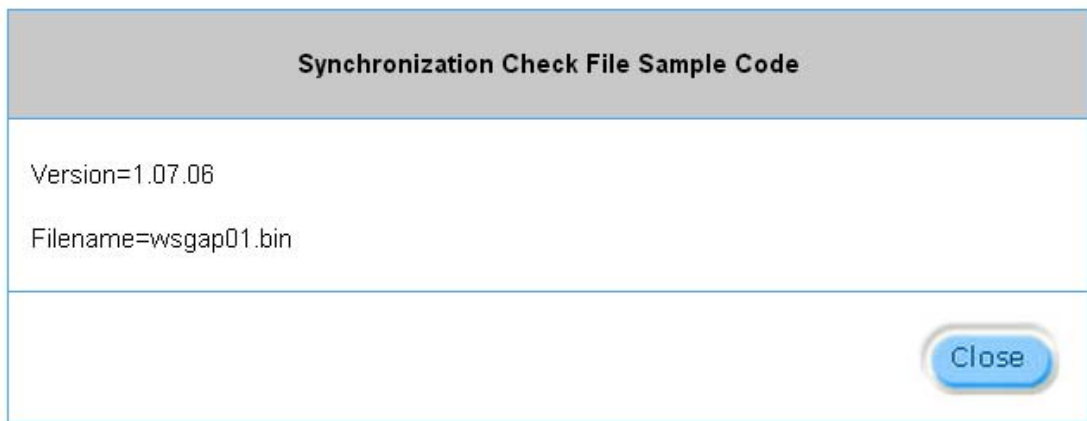
Item	Default	Description
Disable/Enable		Disables or enables the scheduled firmware upgrade function.
TFTP Server IP	Empty	Enter the IP address of TFTP Server.
File Synchronization	Empty	Enter the file name and location in the File Synchronization field.
View Sample File		Click the button to display synchronization file example.
 <p>Synchronization Check File Sample Code</p> <p>Version=1.07.06</p> <p>Filename=wsgap01.bin</p> <p><input type="button" value="Close"/></p>		
Frequency	Weekly	Set the firmware upgrade time. The default value is "Weekly".

Figure 3-4-5 Synchronization File Sample Code

Note: Do not turn the power off during the upgrade process. This will damage the unit.

3-4-3 Boot Code

BOOT CODE

To upgrade the Boot Code, click **Select** to locate the file and click **Apply**.

Local PC File Path :

Figure 3-4-6 Boot Code Upgrade Setting Screen

3-4-4 Controller Board Firmware

Controller Board Firmware

To upgrade the Controller Board Firmware, click **Select** to locate the file and click **Apply**.

Local PC File Path :

Figure 3-4-7 Controller Board Firmware Upgrade Setting Screen

3-4-5 System Account

Use the System Account screen to change the system accounts.

SYSTEM ACCOUNT

Administrator Account	
The Administrator account can fully control this system and modify all settings.	
Username :	<input type="text" value="account"/>
Password :	<input type="password" value="*****"/>
Confirm :	<input type="text"/>
Web-based Accounting Manager	
The Web-based accounting manager account can operate the proprietary web-based accounting system.	
Username :	<input type="text" value="account"/>
Password :	<input type="password" value="*****"/>
Confirm :	<input type="text"/>
Supervisor Account	
The Supervisor account can view system status and change passwords.	
Username :	<input type="text" value="supervisor"/>
Password :	<input type="password" value="*****"/>
Confirm :	<input type="text"/>
Super Subscriber Account	
The Super subscriber is a built-in subscriber account for system test or premium usage.	
Super Subscriber	<input type="text" value="Disable"/>
Idle Time Out	<input type="text" value="5"/> Min(s) (1~1440)
Username :	<input type="text" value="supervisor"/>
Password :	<input type="password" value="*****"/>
Confirm :	<input type="text"/>

Figure 3-4-8 System Account Setting Screen

Item	Description
Username	The username can consist of up to 20 alphanumeric characters and is sensitive.
Password	The password can consist of up to 20 alphanumeric characters and is sensitive.
Confirm	The password for confirmation
Super Subscriber	Disables or enables the super account function.
Idle Time Out	The user idle time out valid is 1 to 1440 minutes. If the idle time out is set as 5 minutes, it means if the account doesn't send packet in 5 minutes, the account will logout automatically.

Administrator Account

Step 1: Start your Web browser and enter the factory default IP address **10.59.1.1** in your browser's location box. Press Enter.

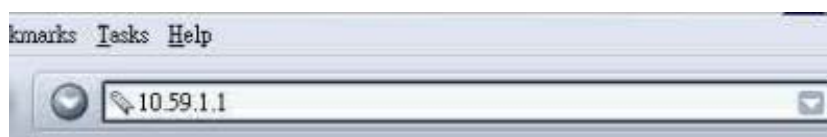


Figure 3-4-9 Web Browser Location Field (Factory Default)

Step 2: The WG-500P configuration main menu will appear. Enter **admin** as the Username and **admin** as the password and click **Login**. If you are first time setting the system, the wizard setup screen will appear.

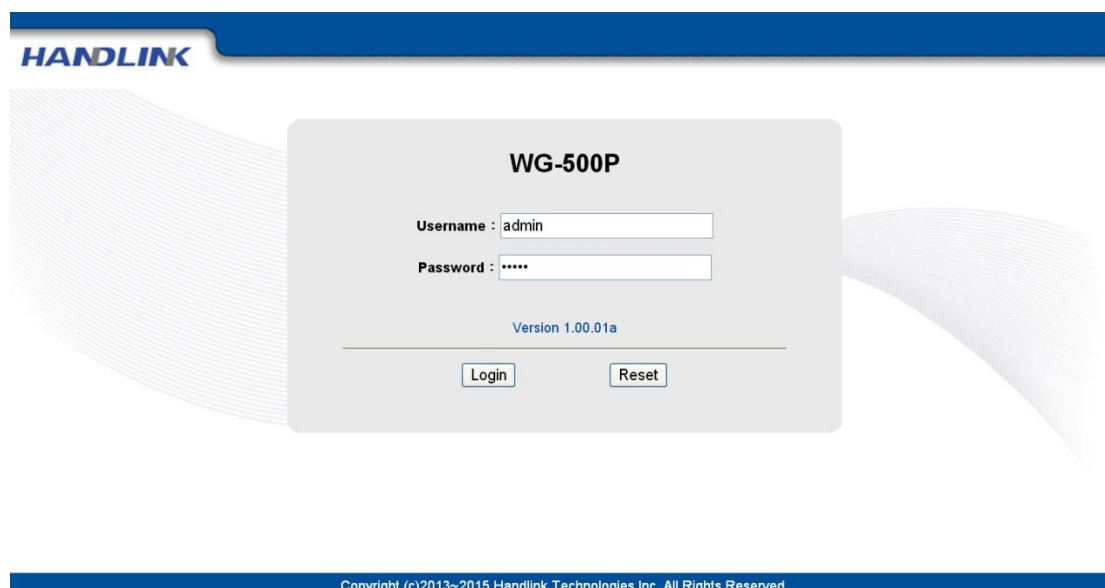


Figure 3-4-10 Administrator Account Login Screen (First Time)

Web-Based Accounting Manager

Step 1: Start your Web browser and enter the factory default IP address **10.59.1.1** in your browser's location box. Press Enter.



Figure 3-4-11 Web Browser Location Field (Factory Default)

Step 2: The WG-500P configuration main menu will appear. Enter **account** as the Username and **account** as the password and click **Login**.

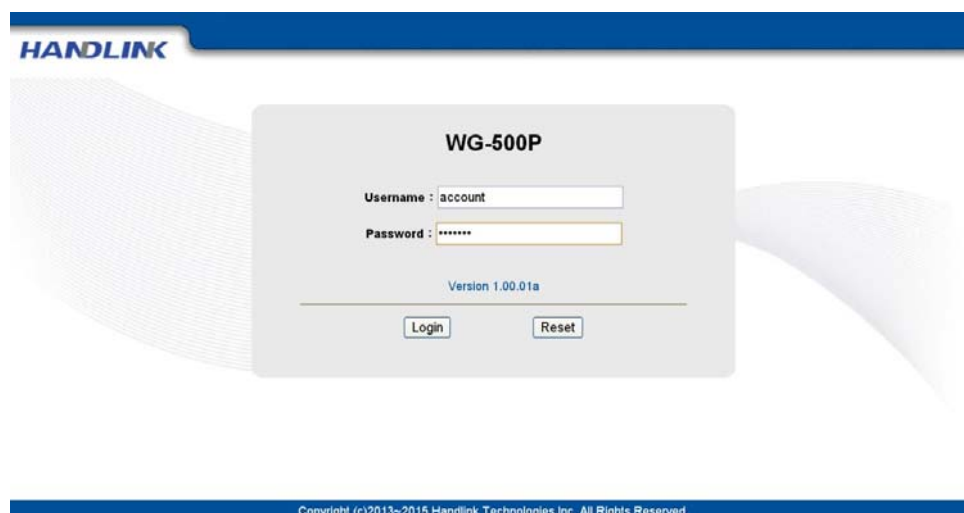


Figure 3-4-12 Web-Based Accounting Manager Login Screen

Step 3: After a valid user name and password have been provided, the account Generator Panel homepage will appear.

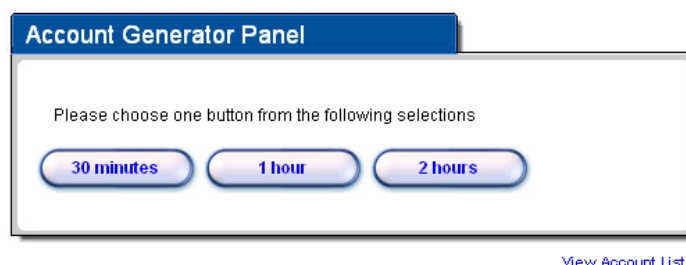


Figure 3-4-13 Account Generator Panel

Supervisor Account

Step 1: Start your Web browser and enter the factory default IP address **10.59.1.1** in your browser's location box. Press Enter.



Figure 3-4-14 Web Browser Location Field (Factory Default)

Step 2: The WG-500P configuration main menu will appear. Enter **supervisor** as the Username and **supervisor** as the password and click **Login**.

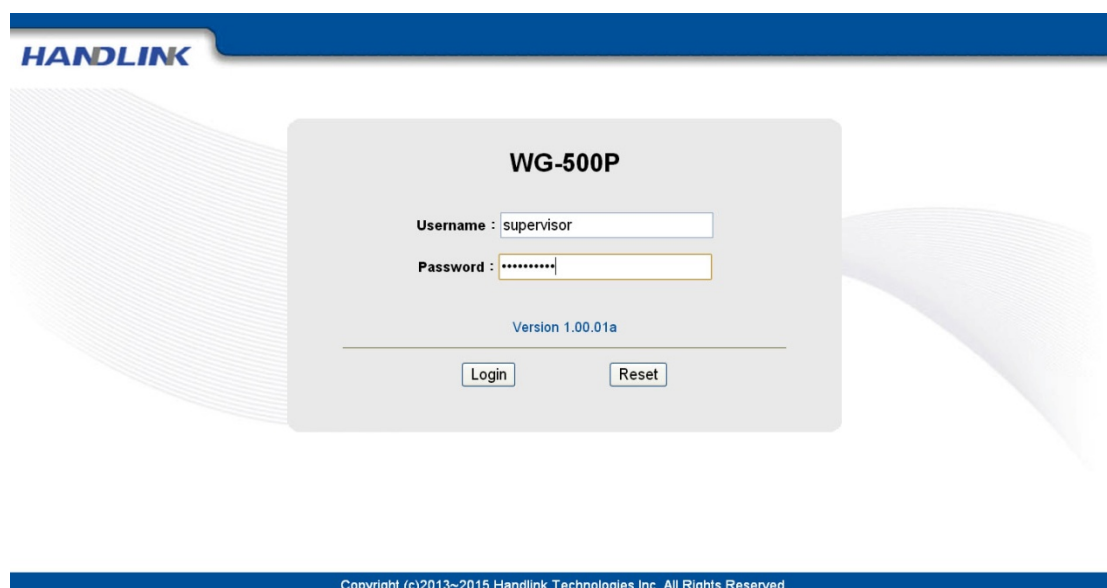


Figure 3-4-15 Supervisor Account Login Screen

Step 3: After a valid user name and password have been provided, the WG-500P configuration homepage will appear. "WIZARD SETUP" and "ADVANCED SETUP" are disabled.

Super Subscriber Account

Start your Web Browser; a subscriber login page will appear. Enter **super** as the Username and **super** as the password and click **Enter**, you can use Internet now.



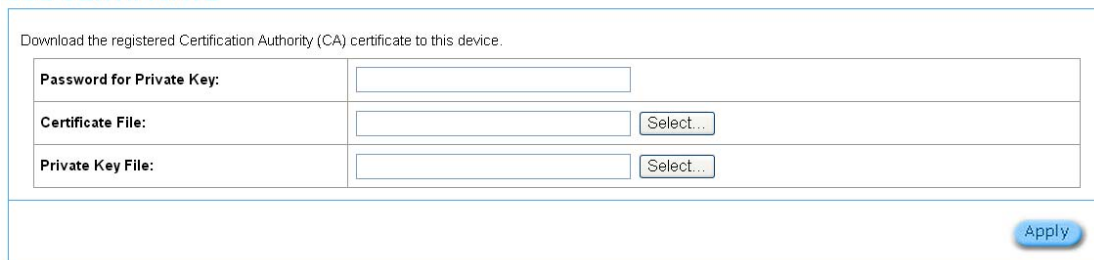
The image shows a web interface for a Hot Spot Internet Service. At the top, there is a blue header with the text "Welcome". Below this is a white header with the text "Hot Spot Internet Service". The main content area is a light gray box containing a login form. The form has two rows: "Username:" with a text input field containing "super", and "Password:" with a password input field containing six black dots. Below the form are two buttons: "Enter" and "Cancel".

Figure 3-4-16 Subscriber Login Page

3-4-6 SSL Certificate

The function allows you to download the registered CA certificate into the WG-500P.

SSL CERTIFICATE



The image shows a web interface for downloading an SSL certificate. At the top, there is a blue header with the text "SSL CERTIFICATE". Below this is a white header with the text "Download the registered Certification Authority (CA) certificate to this device." The main content area is a light gray box containing a form with three rows: "Password for Private Key:" with a text input field, "Certificate File:" with a text input field and a "Select..." button, and "Private Key File:" with a text input field and a "Select..." button. At the bottom right of the form is a blue "Apply" button.

Figure 3-4-17 SSL Certificate Download Setting Screen

Note: The password field must be the same as the CA's registered password.

3-4-7 Ping Command

The Ping function can check the WG-500P networking connective or not.

PING

Execute a ping command to test the availability of a remote system. Enter an IP address.

Figure 3-4-18 Ping Command Screen

Item	Description
IP or URL	Enter the IP address or the URL link.

3-4-8 Restart

If your WG-500P is not operating correctly, you can choose this option to display the restart WG-500P screen. Clicking the apply button restart the WG-500P, with all of your settings remaining intact.

RESTART

Click **Apply** to restart the system. If you do not wish to restart the system, choose a menu option to leave this page.

Figure 3-4-19 Restart Screen

3-4-9 Logout

If you would like to leave the configuration page, please click apply to exit.

LOGOUT

Click **Apply** to log out. If you do not wish to log out, choose a menu option to leave this page.

Figure 3-4-20 Logout Screen

4 QR Code Service

4-1 QR code setting

Please find **Advance setting > Customization > Account Printout > QR code**. If you don't print out the QR Code on the ticket, please disable it and click **Apply** button.

Step 1

CUSTOMIZATION

Login Page | Logo | Information Window | **Account Printout** | Credit Card | User Agreement Page

Logo * Only for connected printer

Title:
Format 1: Welcome! (Max=75)
Welcome!
Format 2: (Max=75)

Subtitle:
Format 1: WG-500P (Max=60)
WG-500P
Format 2: (Max=60)

Username: Username (Max=24)

Password: Password (Max=24)

Billing Method: Billing (Max=24) | Time to Finish: Time to Finish (Max=24)
Accumulation: Accumulation (Max=24)

Billing Profile: Service (Max=24)

Purchase Unit: Unit (Max=24)

Usage Time: Usage Time (Max=24)

Price: Total (Max=24)

Tax: Tax (Max=24) TOTAL: Total (Max=24)

ESSID: ESSID (Max=24)

Wireless Security: WPA: (Max=24)
WPA2: (Max=24)
Mode: (Max=24)

Additional Label 1: (Max=24) Value: (Max=24)

Additional Label 2: (Max=24) Value: (Max=24)

Print out Time: Format: yyyy/mm/dd | HH: mm: SS (9H:24h 10:12h 11:AM/PM)

Expiration Time: Activate your account before: (Max=24x3)
Format: yyyy/mm/dd | HH: mm: SS (9H:24h 10:12h 11:AM/PM)
Description: please finish your usage time within 3 months after your last login.
Accumulation: (Max=24x4)

Ending: Thank you! (Max=24x10)

QR Code: Printout the QR Code.

[Preview of connected printer output](#) [Preview of account generator printer output](#)

Step 3: Click Apply

Apply

Figure 4-1-1 QR Coding Setting Screen

4-2 Additional information for QR code use

If you will activate QR code service for Apple iOS 6 device and later,

1. Please find **Advance setting > Security > Pass Through**.
2. Choose "Enable".
3. Add **www.apple.com** into PASS THROUGH list in WG-500P because iOS6 device and later is required.
4. Click **Add to List** button.
5. Choose Active on the **Pass Through List**.

For certain QR code Apps, please add **go.redirectingat.com** and follow the above steps.

PASS THROUGH

Step 1

Pass Through: Enable Step 2: Choose Enable

Pass Through Destination allows the subscribers to access specified Internet websites without authentication, which is useful to promote selected services. Pass Through Subscriber is useful for VIP users without authentication. Pass Through LAN device is also useful for devices that do not have a web browser (cash registers, for example) or that are connected with LAN port (wireless access points, for example).

Please enter new pass through for destination (up to 20 entries)

URL or Website: www.appale.com Step 3: Add "www.appale.com"

Start / End IP Address ~

Please enter new pass through for subscribers or LAN devices (up to 20 entries)

Start / End IP Address ~

IP Address: Subnet Mask:

MAC Address: Mask:

Description (max 20 characters)

Add to List Step 4: Click Add to List

Pass Through List

No.	Active	Address List	Type	Description	Delete
1	<input checked="" type="checkbox"/>	www.apple.com	Destination		<input type="checkbox"/>

Step 5: Choose Active

Delete All

Apply

Figure 4-2-1 Pass Through Setting Screen

4-3 Use QR code to access the Internet

Please follow the steps to access the Internet for clients.

1. Print out the Ticket. You can find the ESSID and WPA/WPA2 printed on the ticket.



Figure 4-3-1 QR Coding Ticket

2. Connect to the ESSID(ex: Handlink_WG-500P), input WPA/WPA2 password(ex: 1234567890).

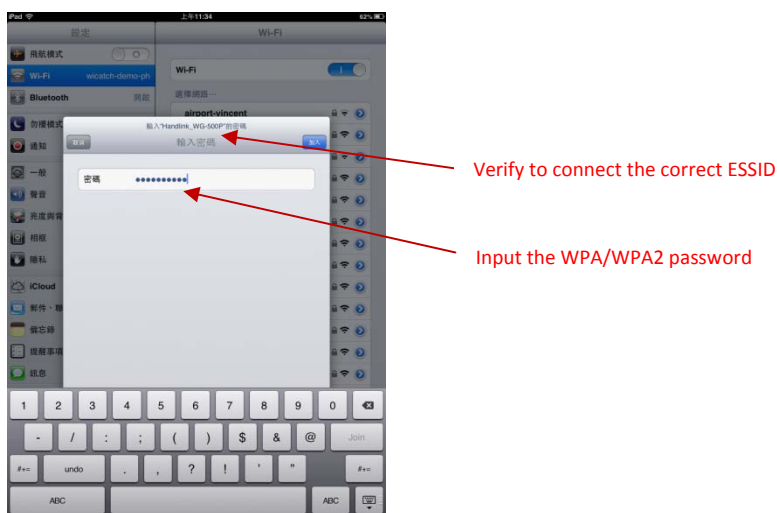


Figure 4-3-2 Password Input Screen

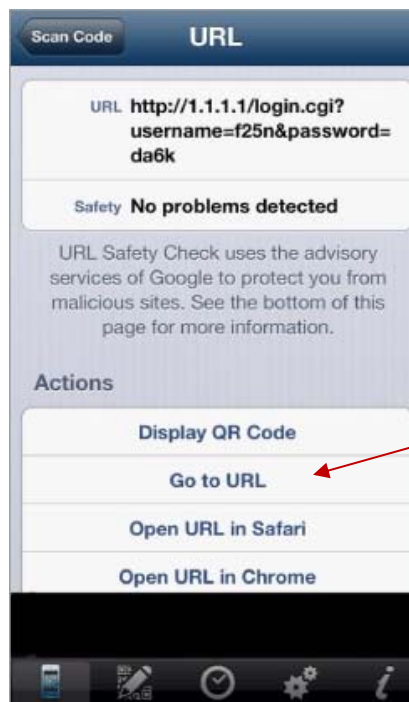
3. Open up QR code APP and Scan.



Scan QR code

Figure 4-3-3 Scan 1 Screen

4. Some Apps may require user to click "Go to URL".



Click "Go to URL"

Figure 4-3-4 Scan 2 Screen

5. Client can use the Internet now.



Figure 4-3-5 Scan Finish Screen

5 Personal ID Recognition

Some countries or areas would ask users to show their personal identification when accessing WiFi service according to laws for the cybercrime investigation.

WG-500P provides the function Personal Identification Recognition. **The default is disabled.** Subscribers need to activate it by the following steps.

Step2. The first billing profile you activate is the Personal ID Recognition selection.
There is only ONE billing profile in the Personal ID Recognition mode.

Please refer the **Chapter 3-2-2-1 Billing** to modify your first billing profile.

BILLING

Pre-Paid
 The subscribers can access Internet with pre-defined usage time.
 Enable Credit Card Service WG-500P

Time to Finish
 The subscriber can access Internet only one time with one account. Once subscriber login, the pre-defined usage time will start until run out even the subscriber stop to access the Internet before run out.

Accumulation
 The subscriber can access Internet several times with one account. The system can keep and accumulate every single usage time until the pre-defined usage time run out.

Billing Profile

Currency: \$ ¥ Number of decimals places:

Tax Percentage: %

No.	Active	Name (max 12 characters)	Account Usage Time	Charge
01	<input checked="" type="checkbox"/>	<input type="text" value="30 minutes"/>	<input type="text" value="30"/> <input type="text" value="minutes"/>	<input type="text" value="1.00"/>
02	<input checked="" type="checkbox"/>	<input type="text" value="1 hour"/>	<input type="text" value="1"/> <input type="text" value="hours"/>	<input type="text" value="2.00"/>
03	<input checked="" type="checkbox"/>	<input type="text" value="2 hours"/>	<input type="text" value="2"/> <input type="text" value="hours"/>	<input type="text" value="3.00"/>
04	<input type="checkbox"/>	<input type="text" value="3 hours"/>	<input type="text" value="3"/> <input type="text" value="hours"/>	<input type="text" value="4.00"/>
05	<input type="checkbox"/>	<input type="text" value="5 hours"/>	<input type="text" value="5"/> <input type="text" value="hours"/>	<input type="text" value="5.00"/>
06	<input type="checkbox"/>	<input type="text" value="10 hours"/>	<input type="text" value="10"/> <input type="text" value="hours"/>	<input type="text" value="6.00"/>
07	<input type="checkbox"/>	<input type="text" value="1 day"/>	<input type="text" value="1"/> <input type="text" value="days"/>	<input type="text" value="10.00"/>
08	<input type="checkbox"/>	<input type="text" value="2 days"/>	<input type="text" value="2"/> <input type="text" value="days"/>	<input type="text" value="20.00"/>
09	<input type="checkbox"/>	<input type="text" value="7 days"/>	<input type="text" value="7"/> <input type="text" value="days"/>	<input type="text" value="50.00"/>
10	<input type="checkbox"/>	<input type="text" value="30 days"/>	<input type="text" value="30"/> <input type="text" value="days"/>	<input type="text" value="200.00"/>

Figure 5-1-2 Billing Setting Screen

Step 3: Start your browser, and then enter the factory default IP address **10.59.1.1** in your browser's location box. Press **Enter**.

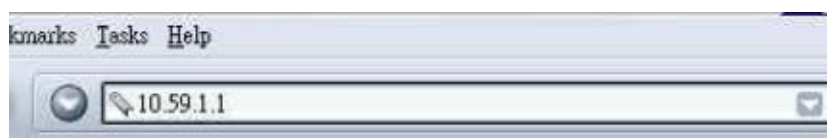


Figure 5-1-3 Web Browser Location Field (Factory Default)

Step 4: The WG-500P configuration tools menu will appear. In the Username and Password field, type the factory default user name “**account**” and password “**account**” and click **Login**.



Figure 5-1-4 Configuration Tools Menu

Step 5: ONLY account manager can operate PIR and printout the ticket. There are 3 types for the account manager to choose, including Driver License NO., Passport No. and Identify card No. Fill in numbers and click “+” or “-” for usage time.

Click the **Print** button to printout the ticket.

Click **View Account List** to see all accounts which are printed out.

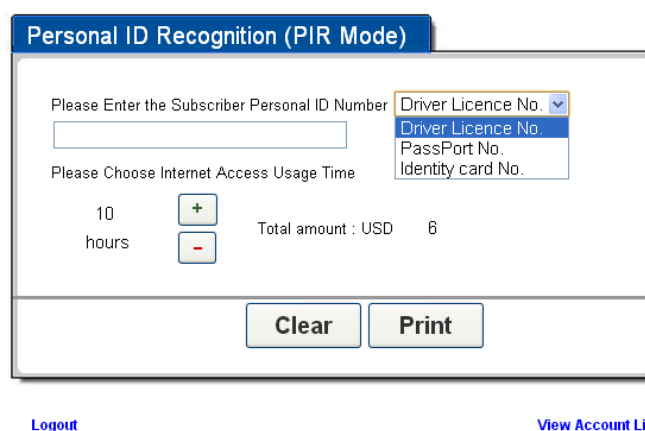


Figure 5-1-5 PIR

WG-500P Hotspot in a Printer

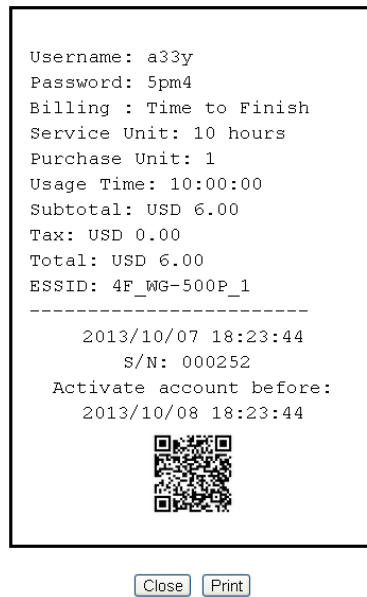


Figure 5-1-6 PIR Ticket

Step 6: Click **Logout and** then click the **Apply** button to finish it.

LOGOUT

Do you want to log out from the web configurator?

Apply

Figure 5-1-7 Logout

Appendix A Signal Connection Arrangements

RJ-45 Ethernet Port

The WG-500P RJ-45 Ethernet port can connect to any networking devices that use a standard LAN interface, such as a Hub/Switch Hub or Router. Use unshielded twisted-pair (UTP) or shield twisted-pair (STP) cable to connect the networking device to the RJ-45 Ethernet port.

Depending on the type of connection, 10Mbps or 100Mbps, use the following Ethernet cable, as prescribed.

10Mbps: Use EIA/TIA-568-100-Category 3, 4 or 5 cables. 100Mbps: Use EIA/TIA-568-100-Category 5 cable.

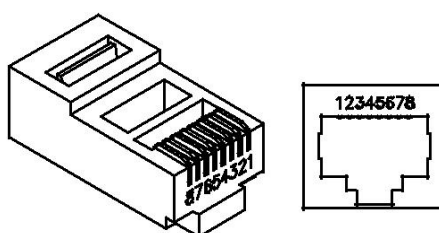


Figure RJ-45 Connector and Cable Pins

Note: To prevent loss of signal, make sure that the length of any twisted-pair connection does not exceed 100 meters.

Appendix B Regulations/EMI Compliance

FCC Regulatory Statement

Part 15-Class B compliant device

This device complies with Part 15 of the FCC Rules. Operation is subject to the following conditions:

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

This equipment has been test and found to comply with the limits for a computing device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. 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 or more of the following measures:

1. Reorient or relocate the receiving antenna.
2. Increase the separation between the equipment and receiver.
3. The equipment and the receiver should be connected the outlets on separate circuits.
4. Consult the dealer or an experienced radio/television technician for help.

Changes or modification not expressly approved be the party responsible for compliance could void the user's authority to operate the equipment.

FCC RF Radiation Exposure Statement

1. This Transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.
2. This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20 centimeters between the radiator and your body.

LIMITED WARRANTY

WG-500P

What the warranty covers:

We warrant its products to be free from defects in material and workmanship during the warranty period. If a product proves to be defective in material or workmanship during the warranty period, we will at its sole option repair or replace the product with a like product with a like product. Replacement product or parts may include remanufactured or refurbished parts or components.

How long the warranty is effective:

The WG-500P is warranted for one year for all parts and one year for all labor from the date of the first consumer purchase.

Who the warranty protects:

This warranty is valid only for the first consumer purchaser.

What the warranty does not cover:

1. Any product, on which the serial number has been defaced, modified or removed.
2. Damage, deterioration or malfunction resulting from:
 - a. Accident, misuse, neglect, fire, water, lightning, or other acts of nature, unauthorized product modification, or failure to follow instructions supplied with the product.
 - b. Repair or attempted repair by anyone not authorized by us.
 - c. Any damage of the product due to shipment.
 - d. Removal or installation of the product.
 - e. Causes external to the product, such as electric power fluctuations or failure.
 - f. Use of supplies or parts not meeting our specifications.
 - g. Normal wears and tears.
 - h. Any other cause that does not relate to a product defect.
3. Removal, installation, and set-up service charges.

How to get service:

1. For information about receiving service under warranty, contact our Customer Support.
2. To obtain warranted service, you will be required to provide (a) the original dated sales slip, (b) your name, (c) your address (d) a description of the problem and (e) the serial number of the product.
3. Take or ship the product prepaid in the original container to your dealer, and our service center.
4. For additional information, contact your dealer or our Customer Service Center.

Limitation of implied warranties:

THERE ARE NOWARRANTIED, EXPRESSED OR IMPLIED, WHICH EXTEND BEYOND THE DESCRIPTION CONTAINED HEREIN INCLUDING THE IMPLIED WARRANTY OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

Exclusion of damages:

WG-500P Hotspot in a Printer

Our LIABILITY IS LIMITED TO THE COST OF REPAIR OR REPLACEMENT OF THE PRODUCT. We SHALL NOT BE LIABLE FOR:

1. DAMAGE TO OTHER PROPERTY CAUSED BY ANY DEFECTS IN THE PRODUCT, DAMAGES BASED UPON INCONVENIENCE, LOSS OF USE OF THE PRODUCT, LOSS OF TIME, LOSS OF PROFITS, LOSS OF BUSINESS OPPORTUNITY, LOSS OF GOODWILL, INTERFERENCE WITH BUSINESS RELATIONSHIPS, OR OTHER COMMERCIAL LOSS, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.
2. ANY OTHER DAMAGES, WHETHER INCIDENTAL, CONSEQUENTIAL OR OTHERWISE.
3. ANY CLAIM AGAINST THE CUSTOMER BY ANY OTHER PARTY.