TP-LINK®

User Guide

Archer CR700

AC1750 Wireless Dual Band Gigabit DOCSIS 3.0 Cable Modem Router

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FCC STATEMENT

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

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/ TV technician for help.

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

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

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

Note: The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment. Such modifications could void the user's authority to operate the equipment.

FCC RF Radiation Exposure Statement

This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. This device and its antenna must not be co-located or operating in conjunction with any other antenna or transmitter.

"To comply with FCC RF exposure compliance requirements, this grant is applicable to only Mobile Configurations. The antennas used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter."

The device is restricted to indoor use only.

CE Mark Warning

CE1588

This is a class B product. In a domestic environment, this product may cause radio interference, in which case the user may be required to take adequate measures.

National Restrictions

This device is intended for home and office use in all EU countries (and other countries following the EU directive 1999/5/EC) without any limitation except for the countries mentioned below:

Country	Restriction	Reason/remark
Bulgaria	None	General authorization required for outdoor use and public service
France	Outdoor use limited to 10 mW e.i.r.p. within the band 2454-2483.5 MHz	Military Radiolocation use. Refarming of the 2.4 GHz band has been ongoing in recent years to allow current relaxed regulation. Full implementation planned 2012
Italy	None	If used outside of own premises, general authorization is required
Luxembourg	None	General authorization required for network and service supply(not for spectrum)
Norway	Implemented	This subsection does not apply for the geographical area within a radius of 20 km from the centre of Ny-Ålesund
Russian Federation	None	Only for indoor applications

Note: Please don't use the product outdoors in France.

Canadian Compliance Statement

This device complies with Industry Canada license-exempt RSS standard(s). Operation is subject to the following two conditions:

(1)This device may not cause interference, and

(2)This device must accept any interference, including interference that may cause undesired operation of the device.

Cet appareil est conforme aux norms CNR exemptes de licence d'Industrie Canada. Le fonctionnement est soumis aux deux conditions suivantes:

(1)cet appareil ne doit pas provoquer d'interférences et

(2)cet appareil doit accepter toute interférence, y compris celles susceptibles de provoquer un fonctionnement non souhaité de l'appareil.

Industry Canada Statement

Complies with the Canadian ICES-003 Class B specifications.

Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.

This device complies with RSS 210 of Industry Canada. This Class B device meets all the requirements of the Canadian interference-causing equipment regulations.

Cet appareil numérique de la Classe B respecte toutes les exigences du Règlement sur le matériel brouilleur du Canada.

Korea Warning Statements:

당해 무선설비는 운용중 전파혼신 가능성이 있음.

NCC Notice& BSMI Notice:

注意！

依據 低功率電波輻射性電機管理辦法

第十二條 經型式認證合格之低功率射頻電機，非經許可，公司、商號或使用者均不得擅自變更頻率、加大功率或變更原設計之特性或功能。

第十四條 低功率射頻電機之使用不得影響飛航安全及干擾合法通行；經發現有干擾現象時，應立即停用，並改善至無干擾時方得繼續使用。前項合法通信，指依電信規定作業之無線電信。低功率射頻電機需忍受合法通信或工業、科學以及醫療用電波輻射性電機設備之干擾。

減少電磁波影響，請妥適使用。

安全諮詢及注意事項

●請使用原裝電源供應器或只能按照本產品注明的電源類型使用本產品。

●清潔本產品之前請先拔掉電源線。請勿使用液體、噴霧清潔劑或濕布進行清潔。

●注意防潮，請勿將水或其他液體潑灑到本產品上。

●插槽與開口供通風使用，以確保本產品的操作可靠並防止過熱，請勿堵塞或覆蓋開口。

●請勿將本產品置放於靠近熱源的地方。除非有正常的通風，否則不可放在密閉位置中。

●請不要私自打開機殼，不要嘗試自行維修本產品，請由授權的專業人士進行此項工作。

Продукт сертифіковано згідно с правилами системи УкрСЕПРО на відповідність вимогам нормативних документів та вимогам, що передбачені чинними законодавчими актами України.

EAC

Safety Information

- When product has power button, the power button is one of the way to shut off the product; when there is no power button, the only way to completely shut off power is to disconnect the product or the power adapter from the power source.
- Don’t disassemble the product, or make repairs yourself. You run the risk of electric shock and voiding the limited warranty. If you need service, please contact us.

- Avoid water and wet locations.

This product can be used in the following countries:

AT	BG	BY	CA	CZ	DE	DK	EE
ES	FI	FR	GB	GR	HU	IE	IT
LT	LV	MT	NL	NO	PL	PT	RO
RU	SE	SK	TR	UA			

DECLARATION OF CONFORMITY

For the following equipment:

Product Description: AC1750 Wireless Dual Band Gigabit DOCSIS 3.0 Cable Modem Router

Model No.: **Archer CR700**

Trademark: **TP-LINK**

We declare under our own responsibility that the above products satisfy all the technical regulations applicable to the product within the scope of Council Directives:

Directives 1999/5/EC, Directives 2004/108/EC, Directives 2006/95/EC, Directives 1999/519/EC, Directives 2011/65/EU

The above product is in conformity with the following standards or other normative documents

EN 300 328 V1.7.1: 2006

EN 301 489-1 V1.9.2:2011& EN 301 489-17 V2.2.1:2012

EN 55022:2010

EN 55024:2010

EN 61000-3-2:2006+A1:2009+A2:2009

EN 61000-3-3:2008

EN60950-1:2006+A11：2009+A1:2010+A12:2011

EN62311:2008

EN 301 893

The product carries the CE Mark:

CE1588

Person responsible for making this declaration:

Yang Hongliang

Product Manager of International Business

Date of issue: 2014

TP-LINK TECHNOLOGIES CO., LTD

Building 24 (floors 1, 3, 4, 5), and 28 (floors 1-4) Central Science and Technology Park, Shennan Rd, Nanshan, Shenzhen, China

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Chapter 1. Product Overview

Thank you for choosing the **Archer CR700 AC1750 Wireless Dual Band Gigabit DOCSIS 3.0 Cable** Modem Router.

1.1 Overview of the Modem Router

The Archer CR700 AC1750 Wireless Dual Band Gigabit DOCSIS 3.0 Cable Modem Router integrates DOCSIS 3.0 modem, NAT router, 4-port switch and wireless access point in one device provides a one-stop networking solution.

The modem router provides up to 450Mbps (2.4GHz) + 1300Mbps (5GHz) wireless connection with other wireless clients. The incredible speed makes it ideal for handling multiple data streams at the same time, which ensures your network stable and smooth. The performance of this 802.11ac wireless modem router will give you the unexpected networking experience at speed much faster than 802.11n. It is also compatible with all IEEE 802.11a, IEEE 802.11b, IEEE 802.11g and IEEE 802.11n, products.

With multiple protection measures, including SSID broadcast control and wireless LAN 64/128 WEP encryption, Wi-Fi protected Access (WPA2-PSK, WPA-PSK), as well as advanced Firewall protections, the Archer CR700 AC1750 Wireless Dual Band Gigabit DOCSIS 3.0 Cable Modem Router provides complete data privacy.

The modem router provides flexible access control, so that parents or network administrators can establish restricted access policies for children or staffs. It also supports Virtual Server and DMZ host for Port Triggering, and then the network administrators can manage and monitor the network in real time with the remote management function.

Since the modem router is compatible with virtually all the major operating systems, it is very easy to manage. Detailed instructions are provided step by step in this user guide. Before installing the modem router, please look through this guide to know all the modem router's functions.

1.2 Main Features

- Supports 802.11ac - The next generation of Wi-Fi
- Dual band – for combined wireless speeds of up to 1.75Gbps at 2.4GHz and 5GHz band concurrently
- DOCSIS 3.0/EuroDOCSIS 3.0, Compatible with DOCSIS/EuroDOCSIS 2.0/1.1/1.0
- 16 Downstream Channel bonding, Up to 680Mbps Downstream for DOCSIS and 900Mbps for EuroDOCSIS
- 4 Upstream Channel bonding, Up to 120Mbps Upstream
- Full Band Capture windows - Utilize any channels in the downstream spectrum.
- Dual-core processor –for wonderful performance with Internet, Wi-Fi, Ethernet and USB devices
- 6internal antennas provide maximum Omni-directional wireless coverage and reliability
- Full gigabit ports ensure ultra fast data transfer speeds
- Dual USB Ports - easily share printers, files or media with your friends or family locally or over the Internet
- Guest Network Access provides secure Wi-Fi access for guests sharing your home or office network
- IPv6 supported, meeting the demands for the next generation of Internet
- Wi-Fi On/Off Button allows users to turn their wireless radio on or off
- Easy one-touch WPA wireless security encryption with the WPS button
- WPA-PSK/WPA2-PSK encryptions provide user networks with active defense against security threats
- Parental Controls allow parents or administrators to establish restricted access policies for children or staff
- Wireless Schedule lets you to turn the Wi-Fi radio on or off based on a preset timetable.
- VPN Support —Access to your Home Network and Office Network securely
- Powerful Remote Management – Support SNMP v1 /v2 /v3 and TR-069 for remote management

1.3 Panel Layout

1.3.1 The Front Panel

Figure 1-1

The modem router's LEDs are located on the side panel (View from top to bottom). They indicate the device's working status. For details, please refer to LED Explanation.

LED Explanation:

Name	Status	Indication
(Power)	On	The modem router is powered on.
	Off	The modem router is off. Please ensure that the power adapter is connected correctly.
(Downstream)	Orange	The modem router is synchronized to multiple downstream channels.
	White	The modem router is synchronized to a single downstream channel.
	Flash	Scanning for a downstream channel connection.
	Off	Failed to search non-bounded downstream channel.
(Upstream)	Orange	The modem router is synchronized to multiple upstream channels.
	White	The modem router is synchronized to a single upstream channel.
	Flash	Scanning for an upstream channel connection.
	Off	Failed to search non-bounded upstream channel.
(Online)	On	The network is available with a successful Internet connection.
	Off	There is no successful Internet connection.
	On	There is a device connected to this LAN port.

(LAN)	Off	There is no device connected to this LAN port.
(Wireless)	On	Wireless is enabled. The modem router is working on 2.4GHz/5 GHz radio band.
	Off	Wireless is disabled.
(WPS)	On	A wireless device has been successfully added to the network by WPS function.
	Flash	WPS handshaking is in process and will continue for about 2 minutes. Please press the WPS button on other wireless devices that you want to add to the network while the LED is flashing.
	Off	A wireless device has failed to be added to the network by WPS function.
(USB on the back panel)	Off	No storage device or printer is plugged into the USB port.
	On	A storage device or printer has connected to the USB port.

1.3.2 The Back Panel

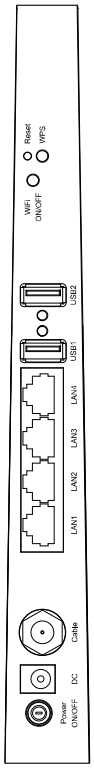


Figure 1-2

- **RESET**: There are two ways to reset the modem router's factory defaults.

  Method one: With the modem router powered on, use a pin to press and hold the Reset button for at least 8-10 seconds. And the modem router will reboot to its factory default settings.

  Method two: Restore the default setting from "3.3.9 Reset" of the modem router's Web-based Management.

- **WPS**: The switch for the WPS function.
- **WiFi ON/OFF**: The switch for the WiFi function. Press it to enable/disable the WiFi function.
- **USB2, USB1**: The USB port connects to a USB storage device or a USB printer.
- **LAN4/WAN, LAN3, LAN2, LAN1:** Through these ports, you can connect the modem router to your PC or the other Ethernet network devices.
- Cable:
- **DC**: The power plug where you will connect the power adapter.
- **Power ON/OFF**: The switch for the power.

Chapter 2. Connecting the Modem Router

2.1 System Requirements

- Broadband Internet Access Service (DSL/Cable/Ethernet).
- PCs with a working Ethernet Adapter and an Ethernet cable with RJ45 connectors.
- TCP/IP protocol on each PC.
- Web browser, such as Microsoft Internet Explorer, Mozilla Firefox or Apple Safari.

2.2 Installation Environment Requirements

- The Product should not be located where it will be exposed to moisture or excessive heat.
- Place the Router in a location where it can be connected to the various devices as well as to a power source.
- Make sure the cables and power cord are safely placed out of the way so they do not create a tripping hazard.
- The Router can be placed on a shelf or desktop.
- Keep away from the strong electromagnetic radiation and the device of electromagnetic sensitive.

2.3 Connecting the Modem Router

Before installing the device, please make sure your broadband cable service provided by your ISP is available. If there is any problem, please contact your ISP. Before cable connection, cut off the power supply and keep your hands dry. You can follow the steps below to install it.

Step 1: Connect the coaxial line. Plug one end of the coaxial line into the Cable port on the rear panel of Archer CR700, and insert the other end into the cable wall outlet.

Step 2: Connect the Ethernet cable. Attach one end of a network cable to your computer's Ethernet port or a regular hub/switch port, and the other end to the LAN port on the modem router Archer CR700.

Step 3: Attach the power adapter. Connect the power adapter to the power connector on the rear of the device and plug in the adapter to an electrical outlet or power extension. The electrical outlet shall be installed near the device and shall be easily accessible.

Step 4: Power on the computers and LAN devices.

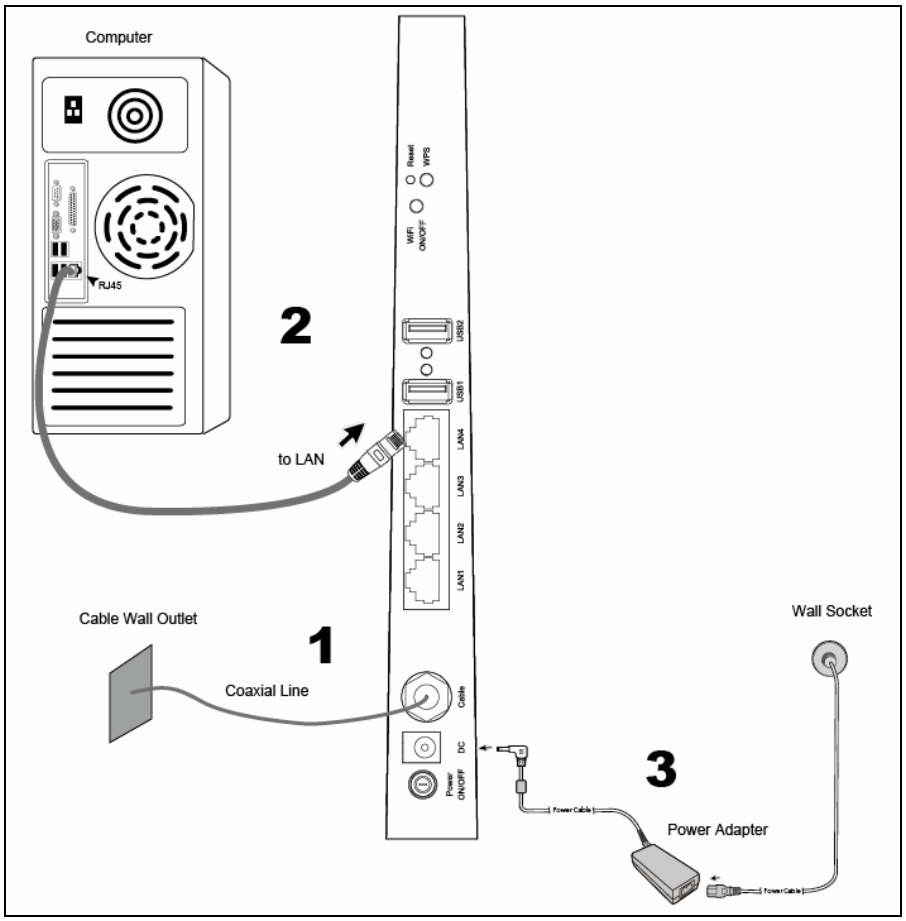


Figure 2-1

2.4 Test Your Internet Connection

Please open the web browser and try to log on to http://www.tp-link.com to test your Internet connection.

Chapter 3. Configuring the Modem Router

This chapter will show configuration for the key functions on the Web-based management page.

3.1 Login

After your successful login, you will see the ten main menus on the left of the Web-based management page. On the right, there are the corresponding explanations and instructions.

The detailed explanations for each Web page's key function are listed below.

3.2 Status

Choose "**Status**", you can see the corresponding information about **Startup Procedure**, **Downstream Bonded Channels**, **Upstream Bonded Channels** and **Time Information**.

Connection Information

Startup Procedure

Procedure	Status	Comment
Acquire Downstream Channel	199750000 Hz	In Progress
Connectivity State	In Progress	Not Synchronized
Boot State	In Progress	Unknown
Configuration File	In Progress	
Security	Disabled	Disabled

Downstream Bonded Channels

Channel	Lock Status	Modulation	Channel ID	Frequency	Power	SNR	Correctables	Uncorrectables
1	Not Locked	unknown	0	175750000 Hz	-17.0 dBmV	0.0 dB	0	0
2	Not Locked	Unknown	0	0 Hz	0.0 dBmV	0.0 dB	0	0
3	Not Locked	Unknown	0	0 Hz	0.0 dBmV	0.0 dB	0	0
4	Not Locked	Unknown	0	0 Hz	0.0 dBmV	0.0 dB	0	0
5	Not Locked	Unknown	0	0 Hz	0.0 dBmV	0.0 dB	0	0
6	Not Locked	Unknown	0	0 Hz	0.0 dBmV	0.0 dB	0	0
7	Not Locked	Unknown	0	0 Hz	0.0 dBmV	0.0 dB	0	0
8	Not Locked	Unknown	0	0 Hz	0.0 dBmV	0.0 dB	0	0
9	Not Locked	Unknown	0	0 Hz	0.0 dBmV	0.0 dB	0	0
10	Not Locked	Unknown	0	0 Hz	0.0 dBmV	0.0 dB	0	0
11	Not Locked	Unknown	0	0 Hz	0.0 dBmV	0.0 dB	0	0
12	Not Locked	Unknown	0	0 Hz	0.0 dBmV	0.0 dB	0	0
13	Not Locked	Unknown	0	0 Hz	0.0 dBmV	0.0 dB	0	0
14	Not Locked	Unknown	0	0 Hz	0.0 dBmV	0.0 dB	0	0
15	Not Locked	Unknown	0	0 Hz	0.0 dBmV	0.0 dB	0	0
16	Not Locked	Unknown	0	0 Hz	0.0 dBmV	0.0 dB	0	0

Total Correctables	Total Uncorrectables
0	0

Upstream Bonded Channels

Channel	Lock Status	US Channel Type	Channel ID	Symbol Rate	Frequency	Power
1	Not Locked	Unknown	0	0 Ksym/sec	0 Hz	0.0 dBmV
2	Not Locked	Unknown	0	0 Ksym/sec	0 Hz	0.0 dBmV
3	Not Locked	Unknown	0	0 Ksym/sec	0 Hz	0.0 dBmV
4	Not Locked	Unknown	0	0 Ksym/sec	0 Hz	0.0 dBmV

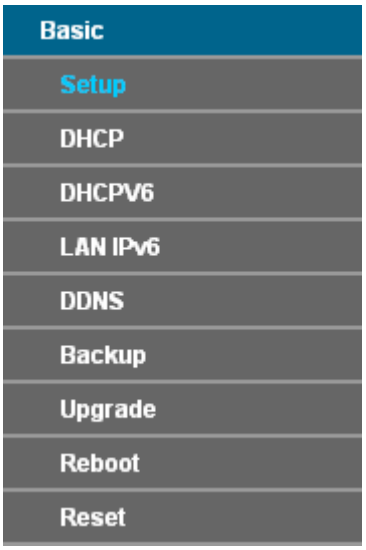
Time Information

CM IP Address:
Duration:
Expires:
Current Systime Time: --- --- -- --:--:-- ----

Figure 3-1

3.3 Basic

Choose “**Basic**”, there are many submenus under the main menu. Click any one of them, and you will be able to configure the corresponding function.



3.3.1 Setup

Choose "**Basic**"→"**Setup**", and you will be able to configure LAN and WAN settings related to your ISP's connection.

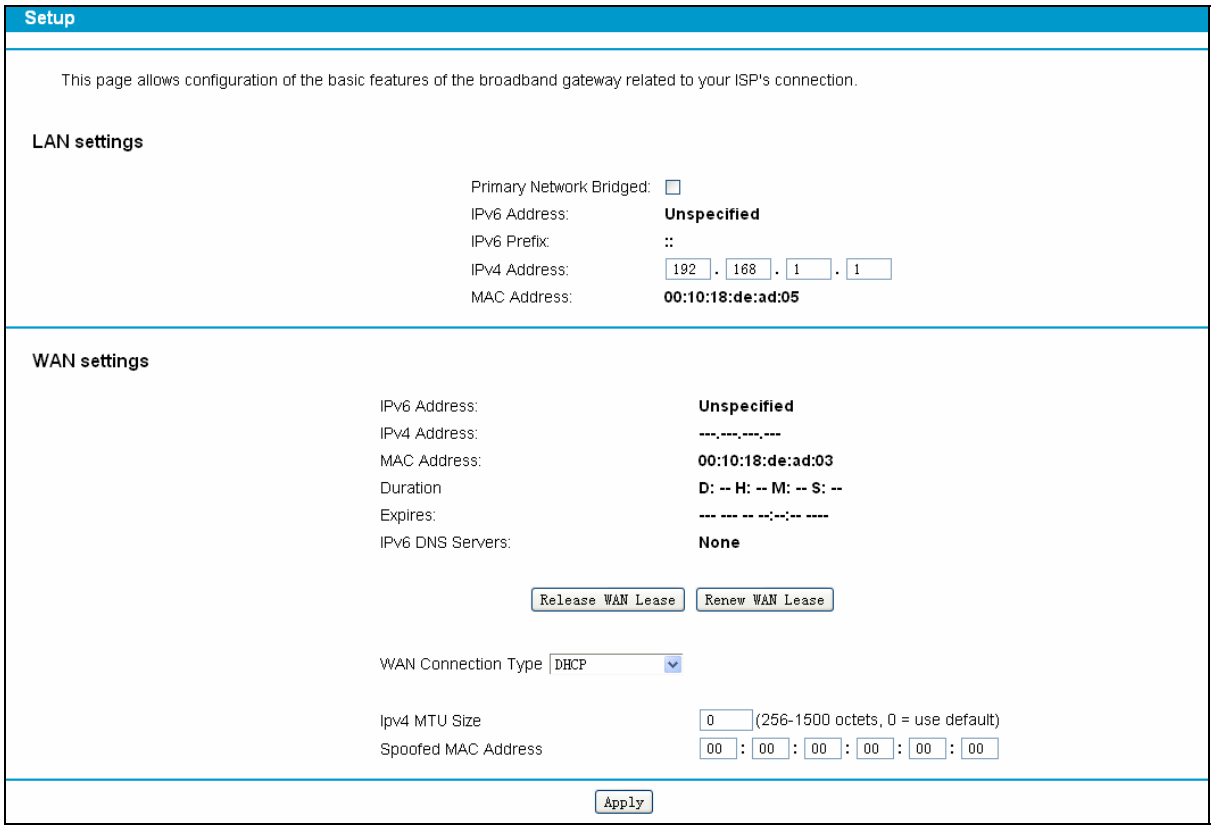


Figure 3-2

After you finish the configuration, please click **Save** to make the settings take effect.

3.3.2 DHCP

Choose menu "**Basic**"→"**DHCP**", you can configure the DHCP Server on the page as shown in Figure 3-3.The modem router is set up by default as a DHCP (Dynamic Host Configuration Protocol) server, which provides the TCP/IP configuration for all the PC(s) that are connected to the modem router on the LAN.

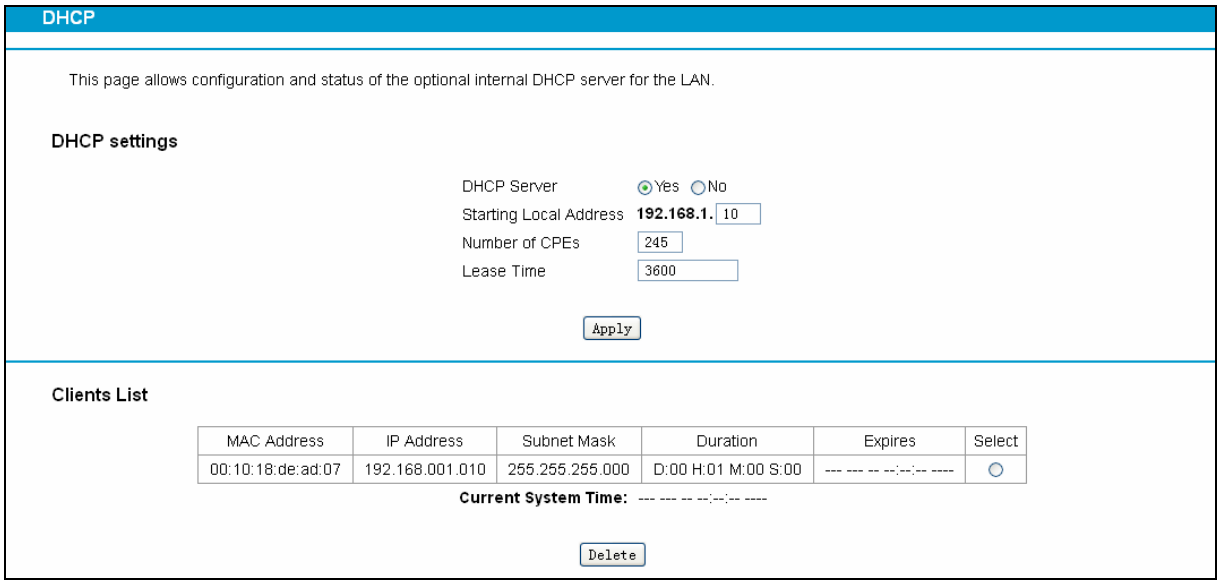


Figure 3-3

- **Lease Time:** The Leased Time is the amount of time in which a network user will be allowed connection to the modem router with their current dynamic IP address. Enter the amount of time, in hours, then the user will be "leased" this dynamic IP address. After the dynamic IP address has expired, the user will be automatically assigned a new dynamic IP address. The default is **3600** minutes.

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

- **Clients List**: Display the information about the clients attached to the modem router.
- **MAC Address:** The MAC address of the DHCP client
- **IP Address:** The IP address that the modem router has allocated to the DHCP client

3.3.3 DHCPv6

Choose menu "**Basic**"→"**DHCPv6**", you can configure the DHCPv6 Server on the page as shown in Figure 3-4.

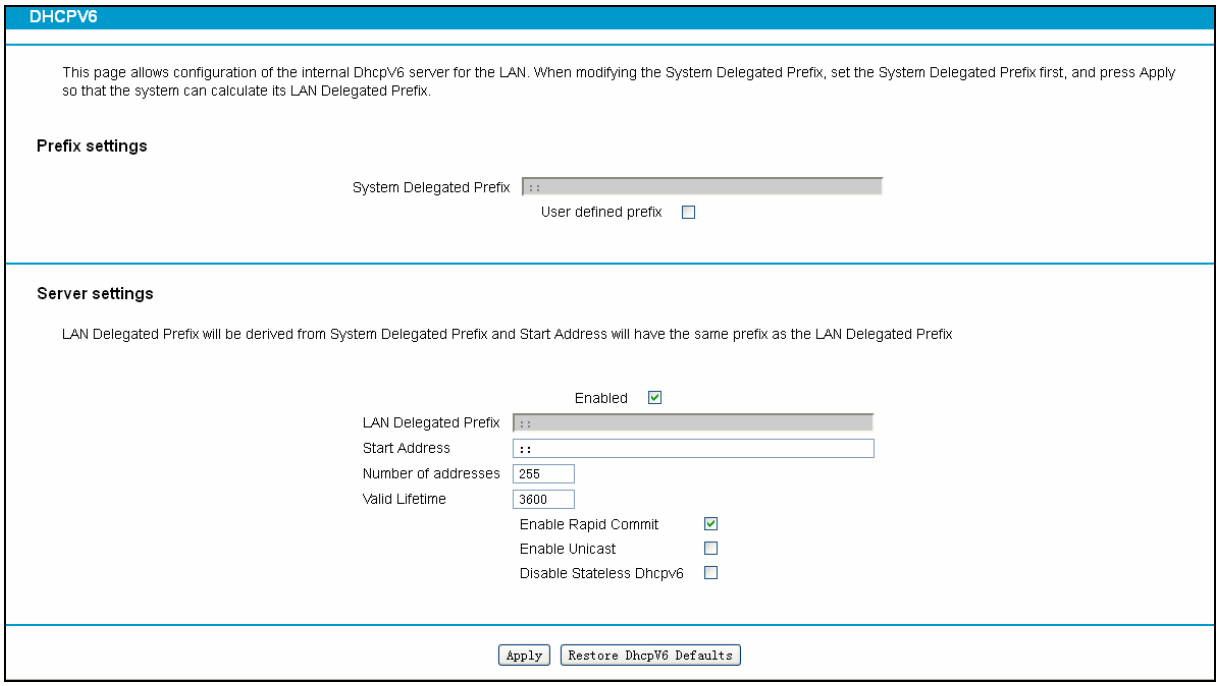


Figure 3-4

3.3.4 LAN IPv6

Choose "**Basic**"→"**LAN IPv6**" menu, and you will see the LAN screen (shown in Figure 3-5).

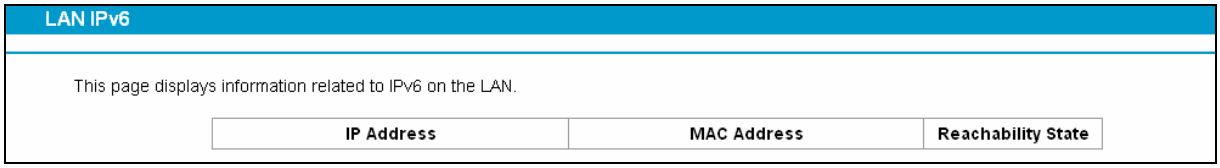


Figure 3-5

3.3.5 DDNS

Choose "**Basic**"→"**DDNS**" and you can configure the Dynamic DNS function.

The modem router offers the **DDNS** (Dynamic Domain Name System) feature, which allows the hosting of a website, FTP server, or e-mail server with a fixed domain name (named by yourself) and a dynamic IP address, then your friends can connect to your server by entering your domain name no matter what your IP address is. Before using this feature, you need to sign up for DDNS service providers such as www.no-ip.com. The Dynamic DNS client service provider will give you a password or key.

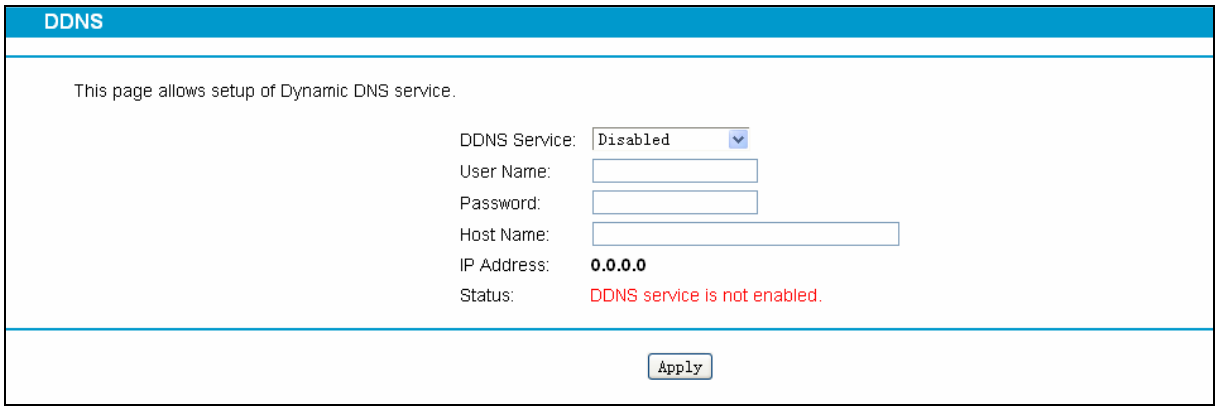


Figure 3-6

- **Service Provider:** This field displays the service provider of DDNS.
- **Username & Password:** Type the “User Name” and “Password” for your DDNS account.
- **Login/ Logout:** Login to or logout of the DDNS service.

3.3.6 Backup

Choose menu “**Basic**” → “**Backup e**”, and then you can save the current configuration of the modem router as a backup file and restore the configuration via a backup file as shown in Figure 3-7.

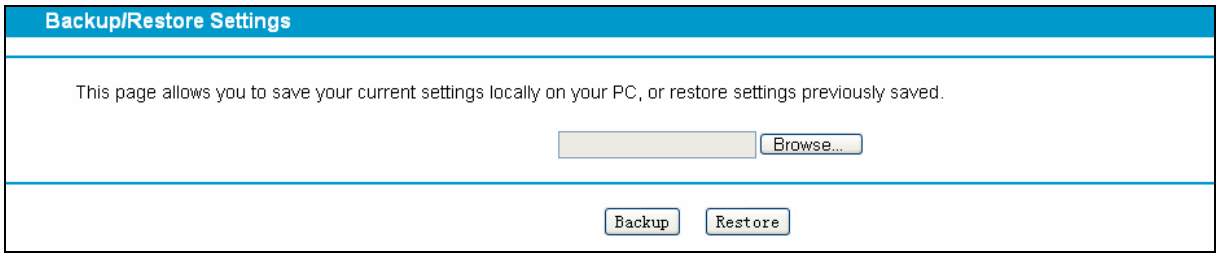


Figure 3-7

- Click the **Backup** button to save all configuration settings as a backup file in your local computer.
- To upgrade the modem router’s configuration, follow these instructions.
  - Click the **Browse** button to find the configuration file which you want to restore.
  - Click the **Restore** button to update the configuration with the file whose path is the one you have input or selected in the blank.

Note:

The current configuration will be covered with the uploading configuration file. Wrong process will lead the device unmanaged. The restoring process lasts for 20 seconds and the modem router will restart automatically then. Keep the power of the modem router on during the process, in case of any damage.

3.3.7 Upgrade

Choose menu “**Basic** →**Upgrade**”, and then you can update the latest version of firmware for the modem router on the following screen.

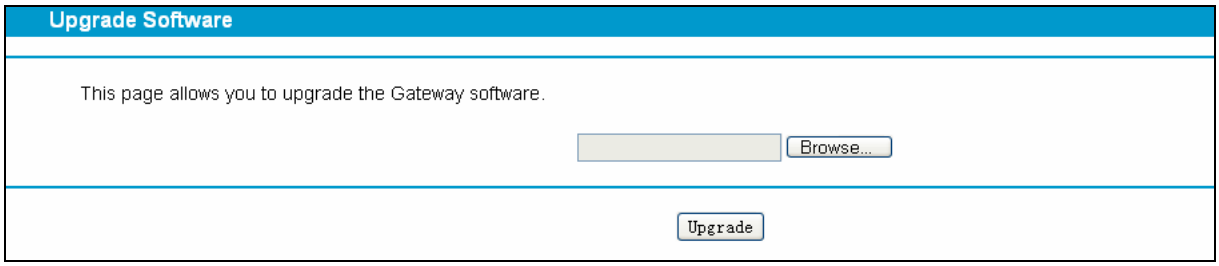


Figure 3-8

To upgrade the modem router's firmware, follow these instructions below:

1) Download a most recent firmware upgrade file from our website (www.tp-link.com).

2) Click **Browse** to select the path name where you save the downloaded file on the computer into the **File Name** blank.

3) Click the **Upgrade** button.

4) The modem router will reboot while the upgrading has been finished.

Note:

1) New firmware versions are posted at http://www.tp-link.com and can be downloaded for free. There is no need to upgrade the firmware unless the new firmware has a new feature you want to use. However, when experiencing problems caused by the modem router rather than the configuration, you can try to upgrade the firmware.

2) When you upgrade the modem router's firmware, you may lose its current configurations, so before upgrading the firmware please write down some of your customized settings to avoid losing important settings.

3) Do not turn off the modem router or press the Reset button while the firmware is being upgraded. Loss of power during the upgrade could damage the modem router.

4) The firmware version must correspond to the hardware.

5) The upgrade process takes a few moments and the modem router restarts automatically when the upgrade is complete.

3.3.8 Reboot

Choose menu "**Basic**" → "**Reboot**", and then you can click the **Reboot** button to reboot the modem router.

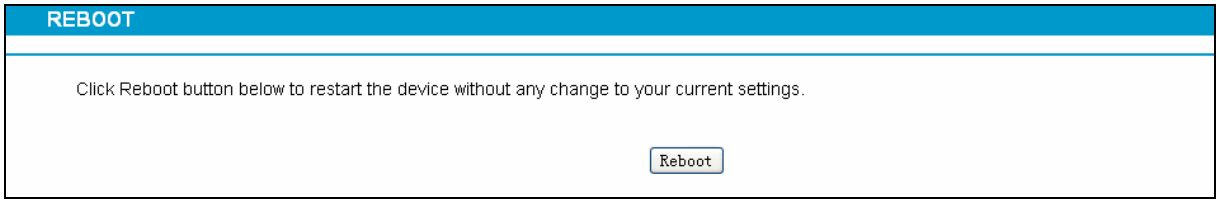


Figure 3-9

3.3.9 Reset

Choose menu "**Basic** → **Reset**", and then and you can restore the configurations of the modem router to factory defaults.

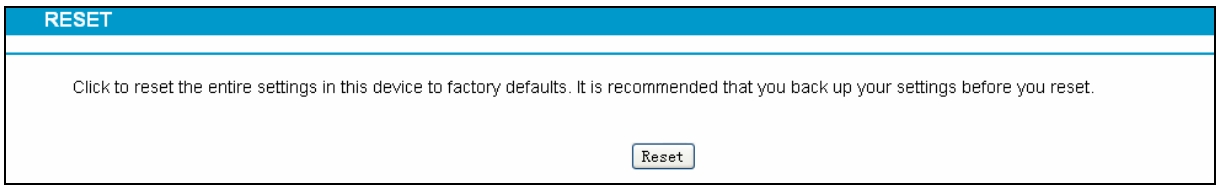


Figure 3-10

Click the **Restore** button to reset all configuration settings to their default values.

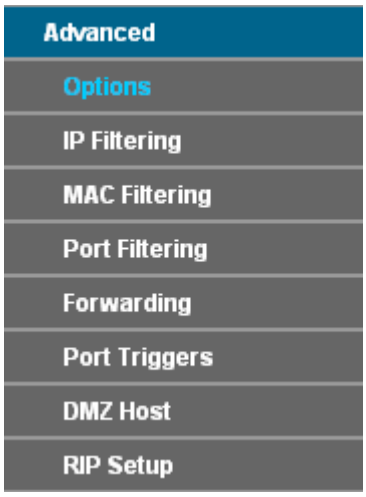
- The default **Username**: admin
- The default **Password**: admin
- The default **Subnet Mask**: 255.255.255.0

Note:

All changed settings will be lost when defaults are restored.

3.4 Advanced

Choose "**Advanced**", there are many submenus under the main menu. Click any one of them, and you will be able to configure the corresponding function.



3.4.1 Options

This page allows configuration of advanced features of the broadband gateway.

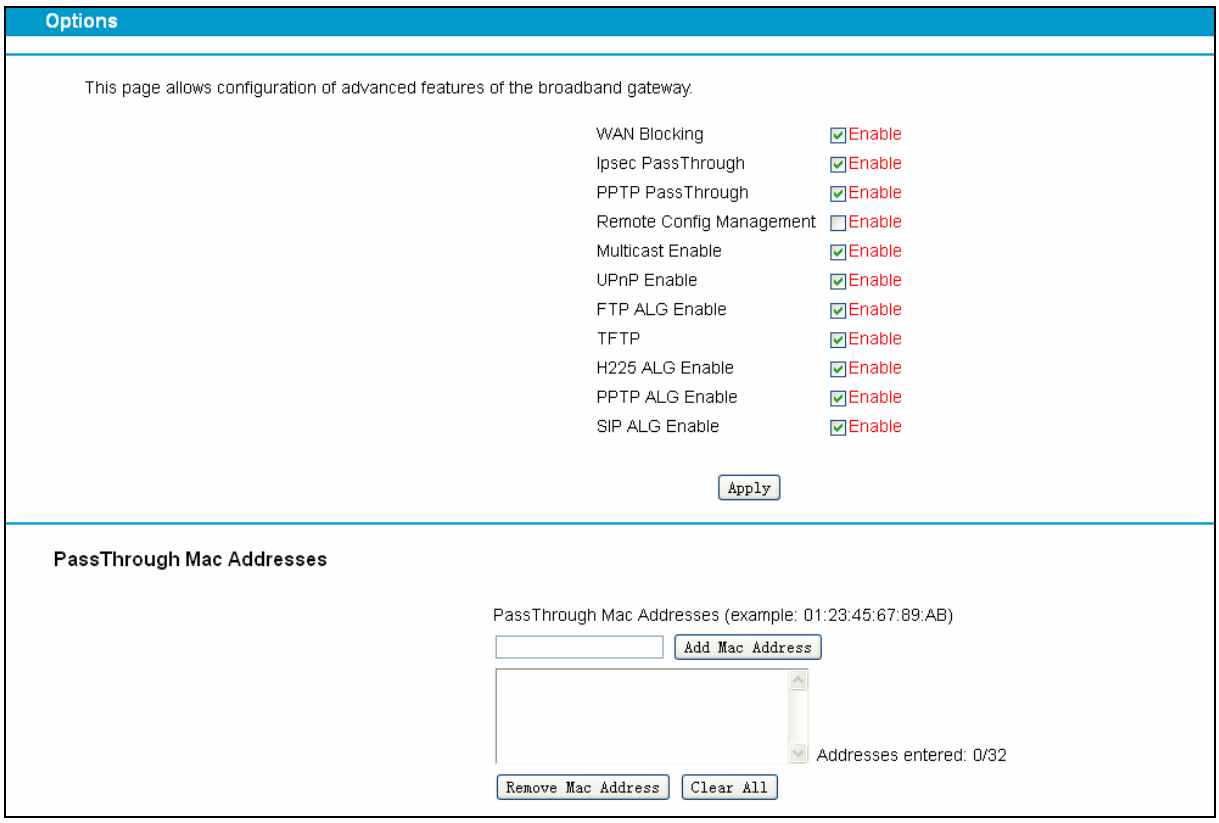


Figure 3-11

3.4.2 IP Filtering

This page allows configuration of IP address filters in order to block internet traffic to specific network devices on the LAN.

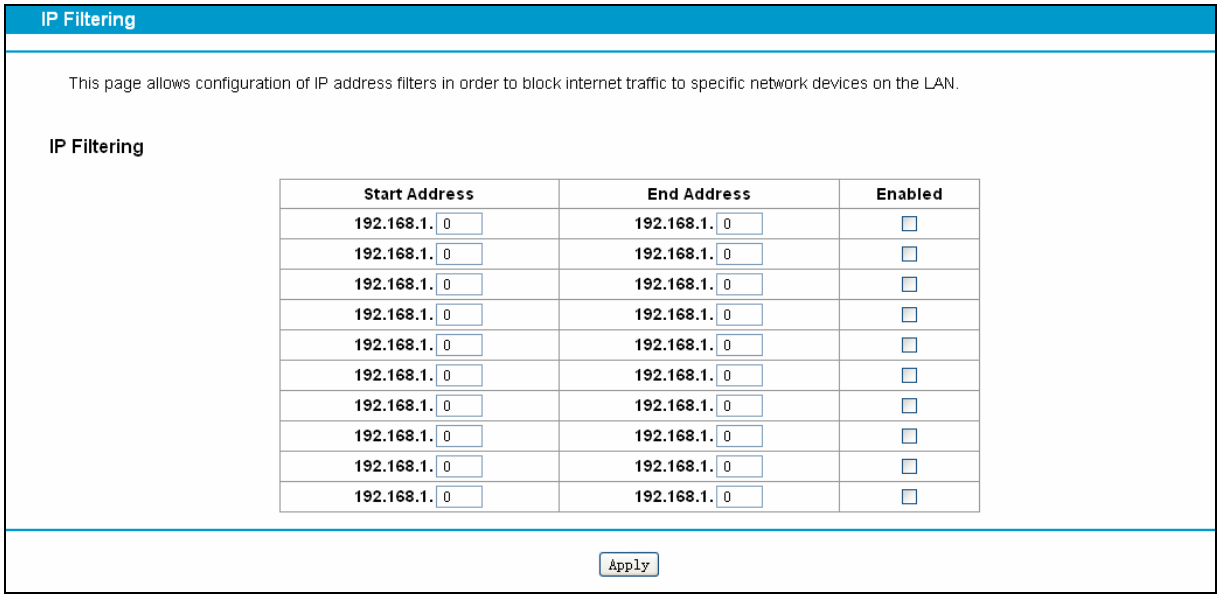


Figure 3-12

3.4.3 MAC Filtering

This page allows configuration of MAC address filters in order to block internet traffic to specific network devices on the LAN. This feature only applies to IPv4 traffic.

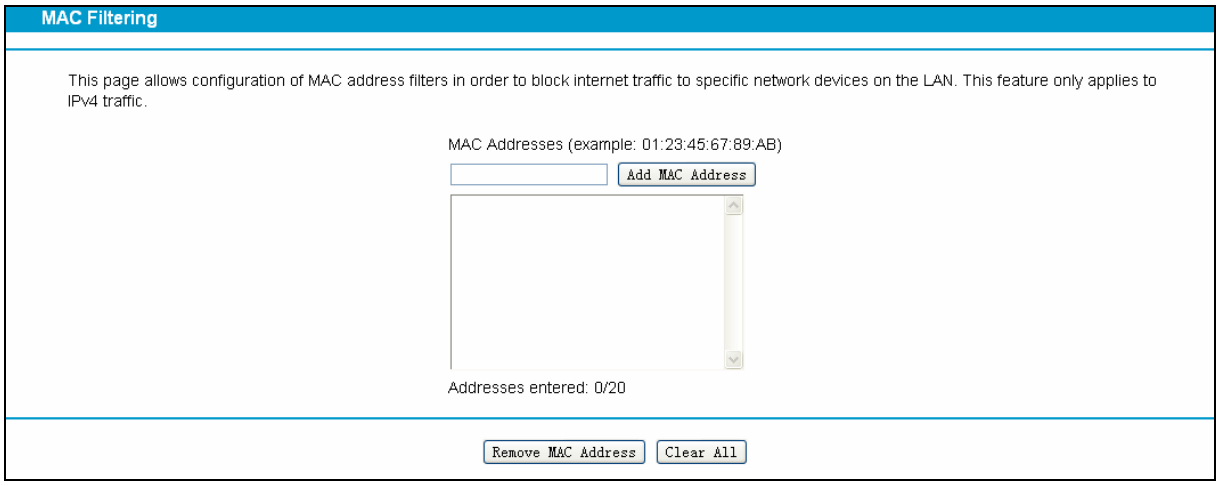


Figure 3-13

3.4.4 Port Filtering

This page allows configuration of port filters in order to block specific internet services to all devices on the LAN.

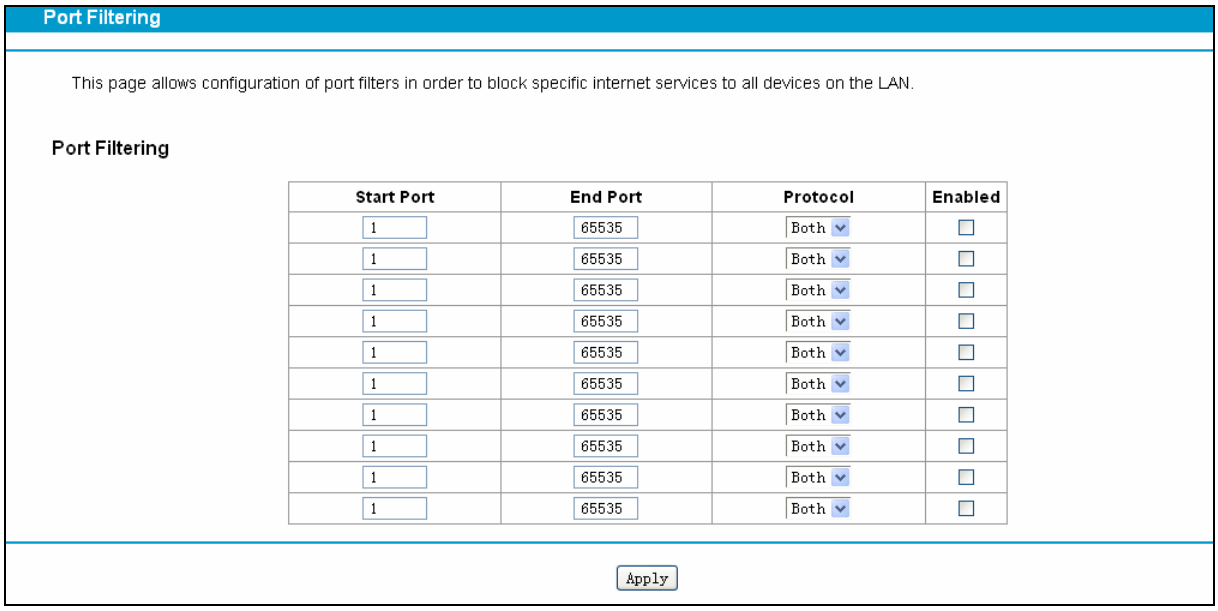


Figure 3-14

3.4.5 Forwarding

This allows for incoming requests on specific port numbers to reach web servers, FTP servers, mail servers, etc. so they can be accessible from the public internet. A table of commonly used port numbers is also provided.

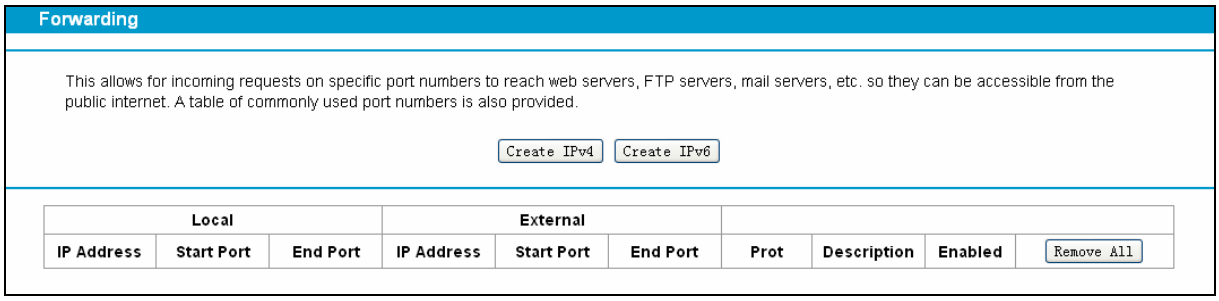


Figure 3-15

3.4.6 Port Triggers

Choose menu "**Advanced**"→ "**Port Triggers**", you can view and add port trigger in the screen as shown in Figure 3-16. Some applications require multiple connections, like Internet games, video conferencing, Internet telephoning and so on. Port Triggers is used for some of these applications that cannot work with a pure NAT modem router.

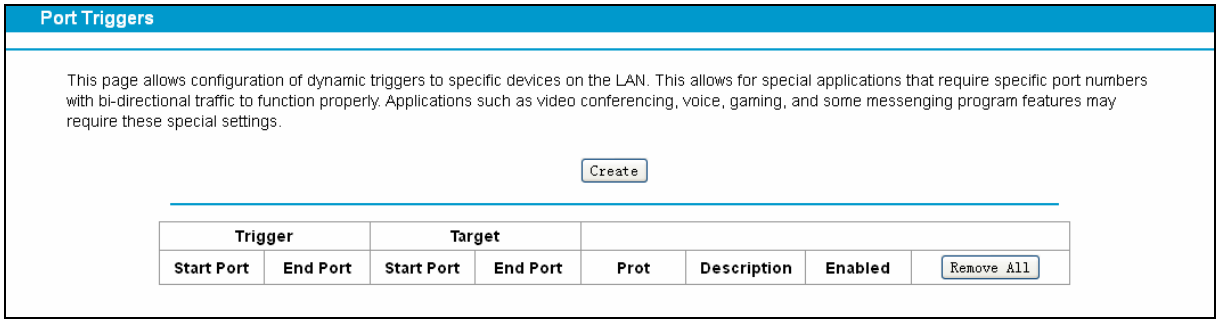


Figure 3-16

Click the **Create** button, the next screen will pop-up as shown in Figure 3-17.

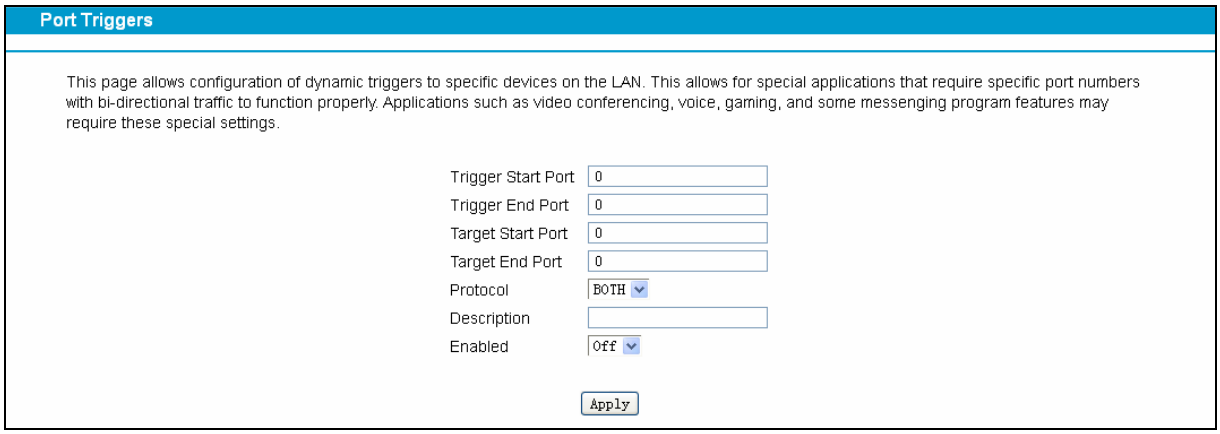


Figure 3-17

3.4.7 DMZ Host

Choose menu "**Advanced→DMZ Host**", and then you can view and configure DMZ host in the screen (shown in Figure 3-18).The DMZ host feature allows one local host to be exposed to the Internet for a special-purpose service such as Internet gaming or videoconferencing. The modem router forwards packets of all services to the DMZ host. Any PC whose port is being forwarded must have its DHCP client function disabled and should have a new static IP Address assigned to it because its IP Address may be changed when using the DHCP function.

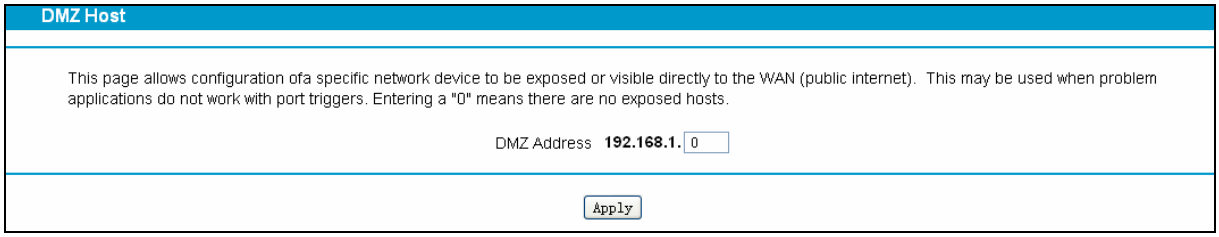


Figure 3-18

To assign a computer or server to be a DMZ server:

1. Enter the IP address of a local PC that is set to be DMZ host in the **DMZ Address** field.
2. Click the **Apply** button.

3.4.8 RIP Setup

Choose "**Advanced**"→"**RIP Setup**", you can see the RIP (Routing Information Protocol) screen which allows you to configure the RIP.

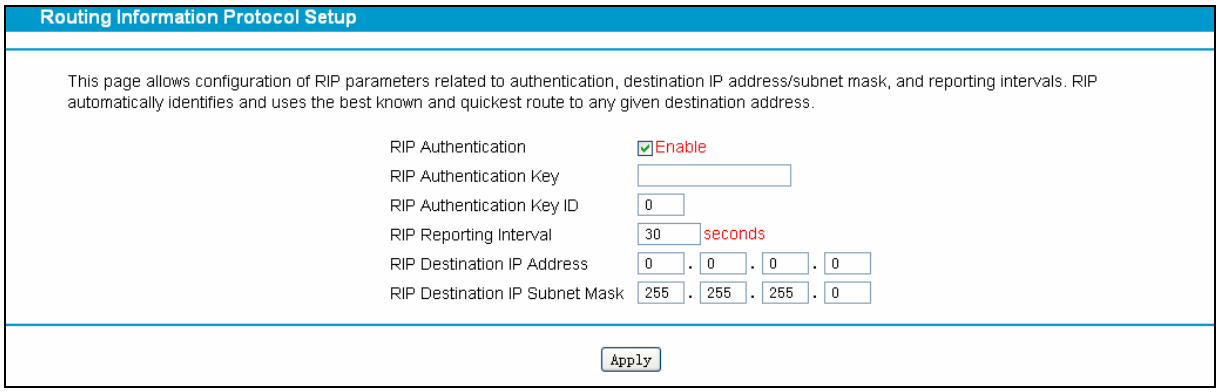
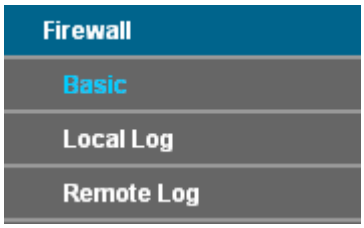


Figure 3-19

3.5 Firewall

Choose "**Firewall**", there are several submenus under the main menu. Click any one of them, and you will be able to configure the corresponding function.



3.5.1 Basic

Choose menu "**Firewall**" → "**Basic**", and then you can configure the firewall features. It is highly recommended that the Firewall is left enabled at all times for protection against Denial of Service attacks.

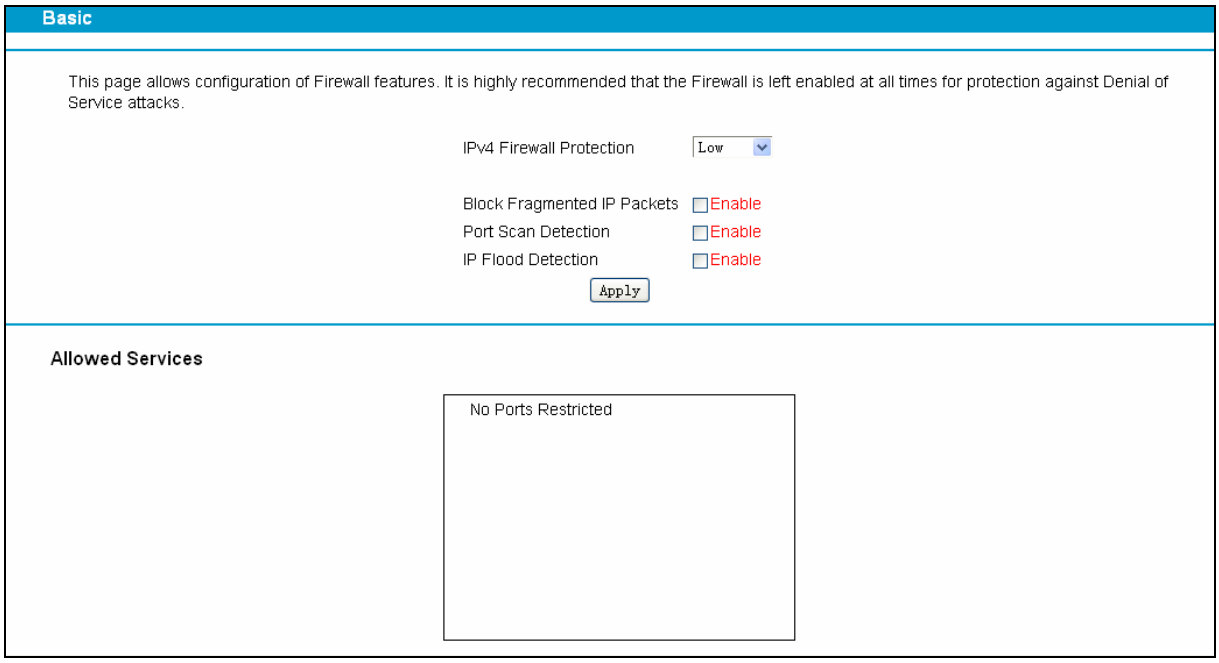


Figure 3-20

3.5.2 Local Log

This page allows configuration of Firewall event log reporting via email alerts and a local view of the attacks on the system.

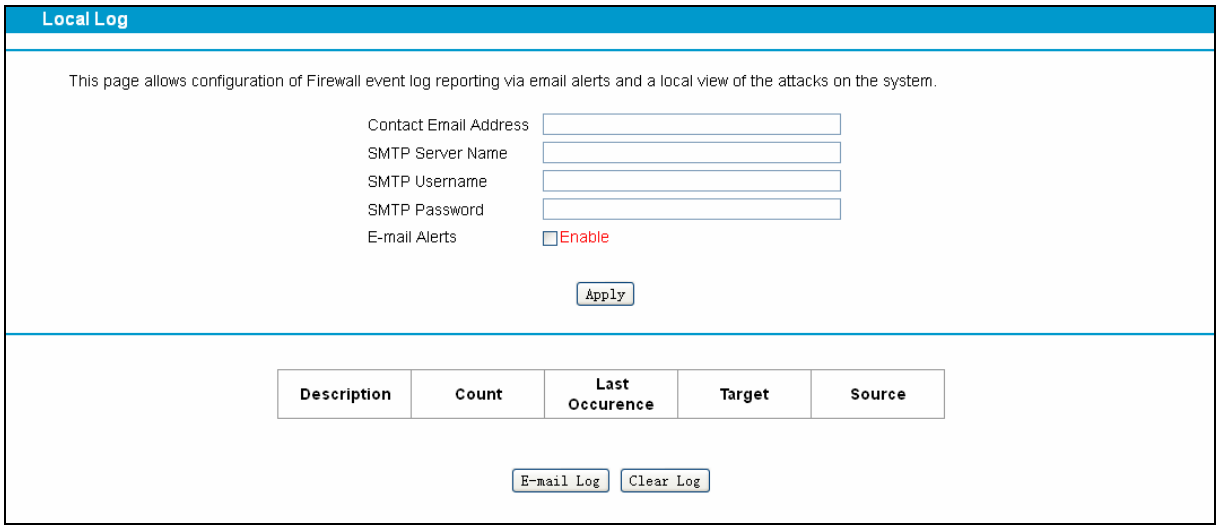


Figure 3-21

3.5.3 Remote Log

This page allows optional configuration of events to be sent to a local SysLog server.

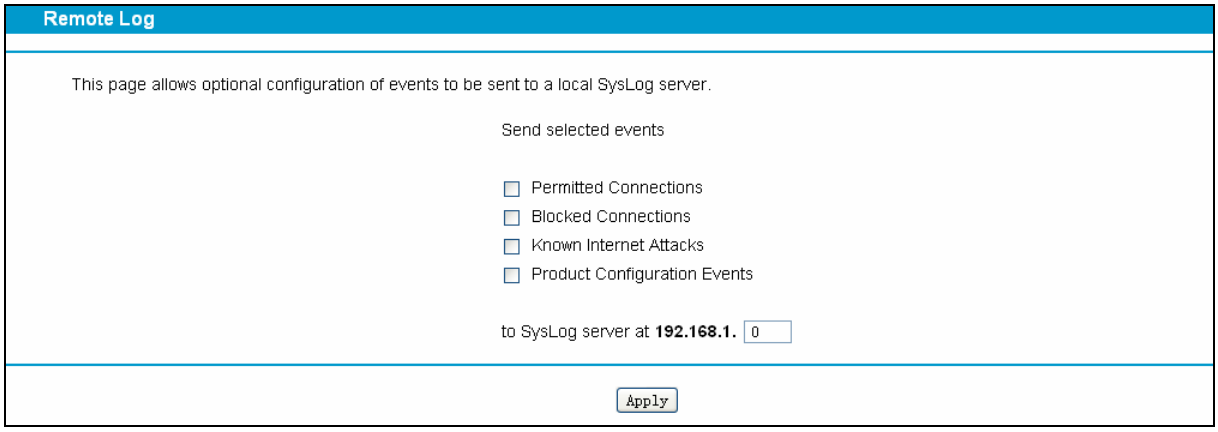
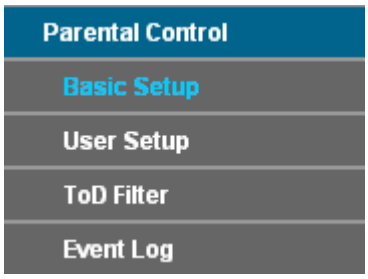


Figure 3-22

3.6 Parental Control

Choose “**Parental Control**”, there are several submenus under the main menu. Click any one of them, and you will be able to configure the corresponding function.



3.6.1 Basic Setup

This page allows basic selection of rules which block certain Internet content and certain Web sites. When you change your Parental Control settings, you must click on the appropriate "Apply",

"Add" or "Remove" button for your new settings to take effect. If you refresh your browser's display, you will see the currently active settings.

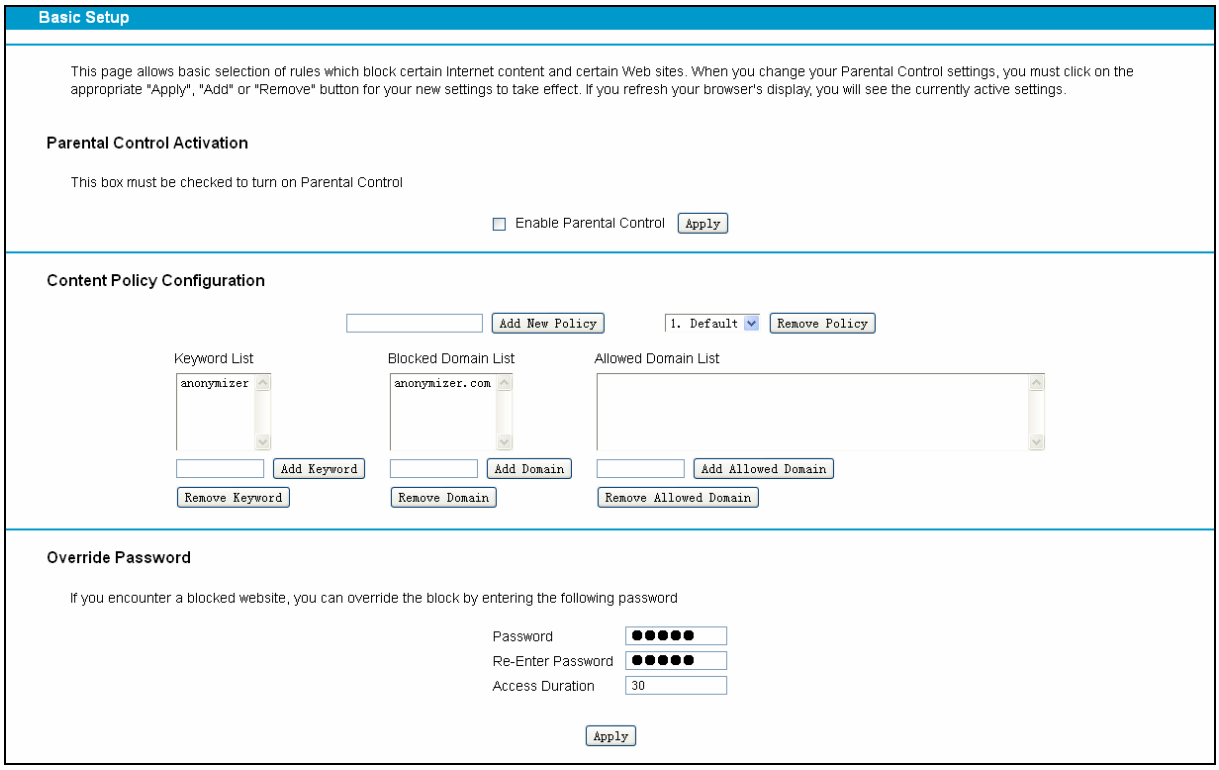


Figure 3-23

3.6.2 User Setup

This page allows configuration of users. 'White List Only' feature limits the user to visit only the sites specified in the Allowed Domain List of his/her content rule.

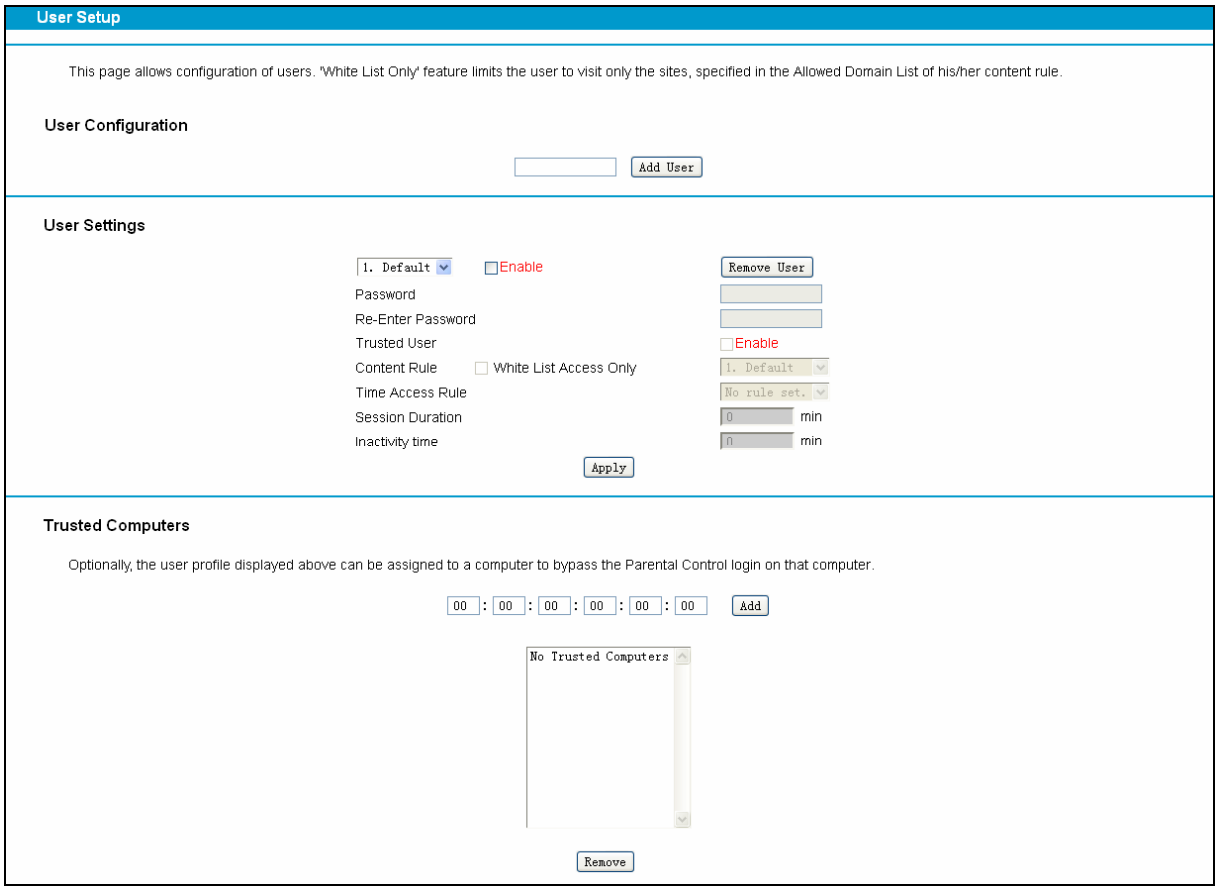


Figure 3-24

3.6.3 ToD Filter

This page allows configuration of time access policies to block all internet traffic to and from specific network devices based on time of day settings.

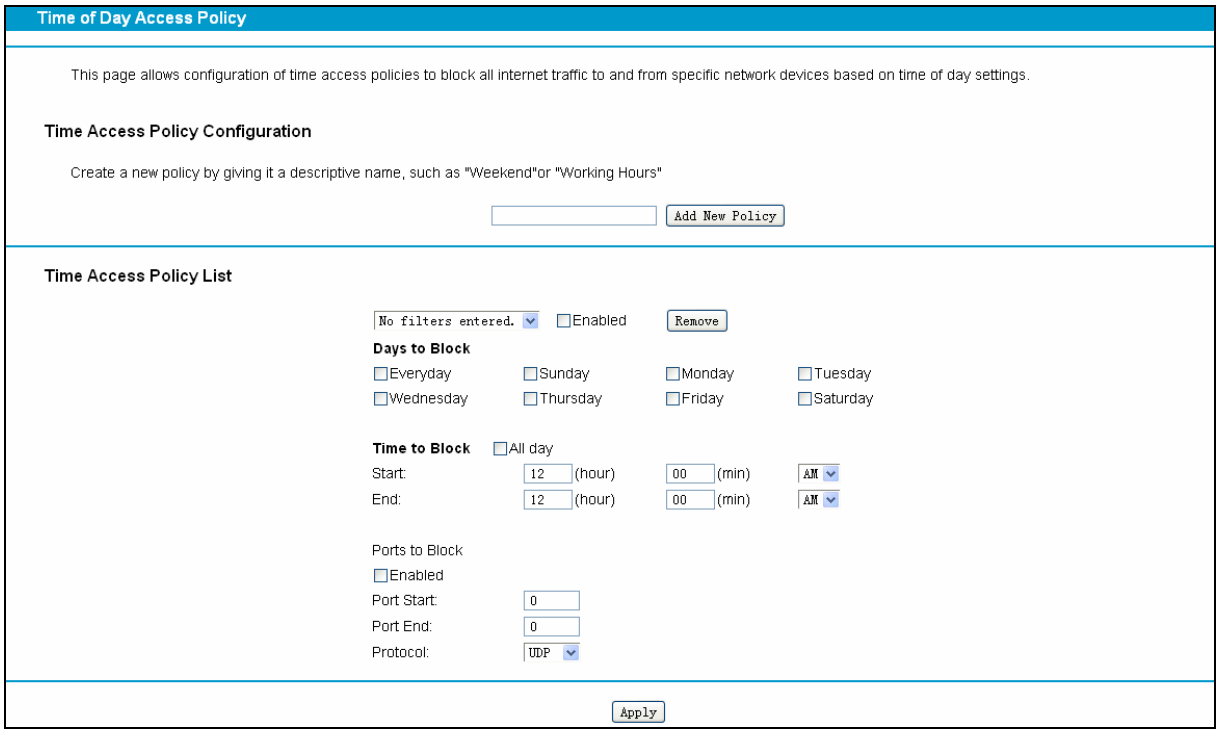


Figure 3-25

3.6.4 Event Log

This page displays Parental Control event log reporting.

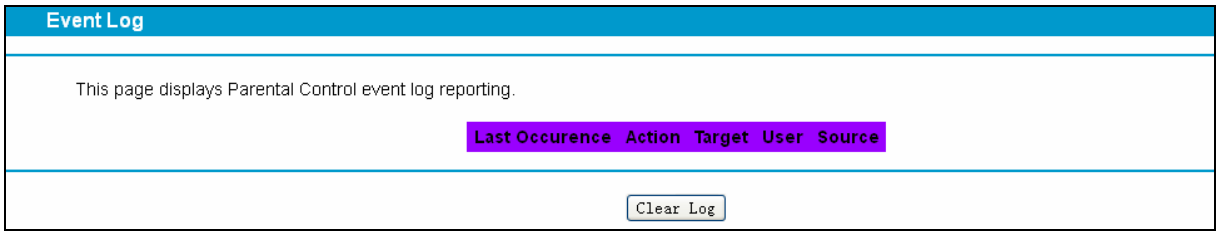


Figure 3-26

3.7 VPN

Choose "**VPN**", there are several submenus under the main menu. Click any one of them, and you will be able to configure the corresponding function.

3.7.1 Basic

Choose "**VPN**"→"**Basic**", you can Add/Remove or Enable/Disable the IPSec tunnel connections on the screen as shown in Figure 3-27.

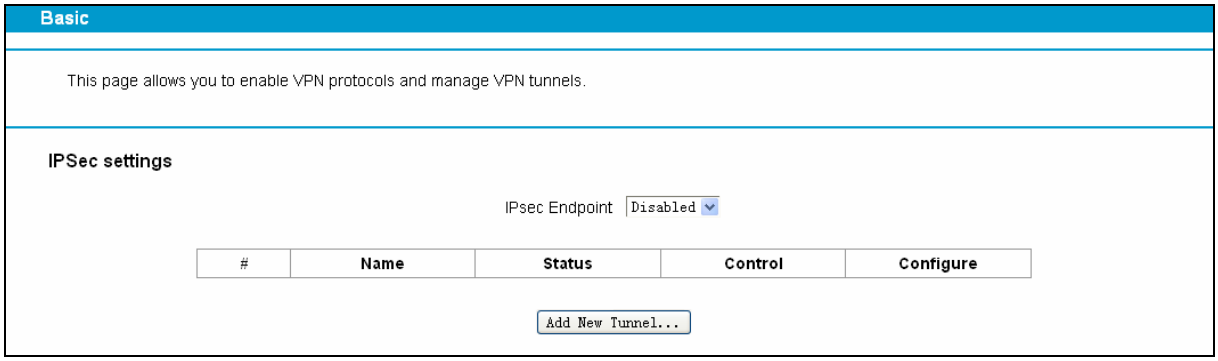


Figure 3-27

3.7.2 IPsec

Choose "**VPN**"→"**IPsec**", and you can configure of an IPsec tunnel between two Archer CR700s.

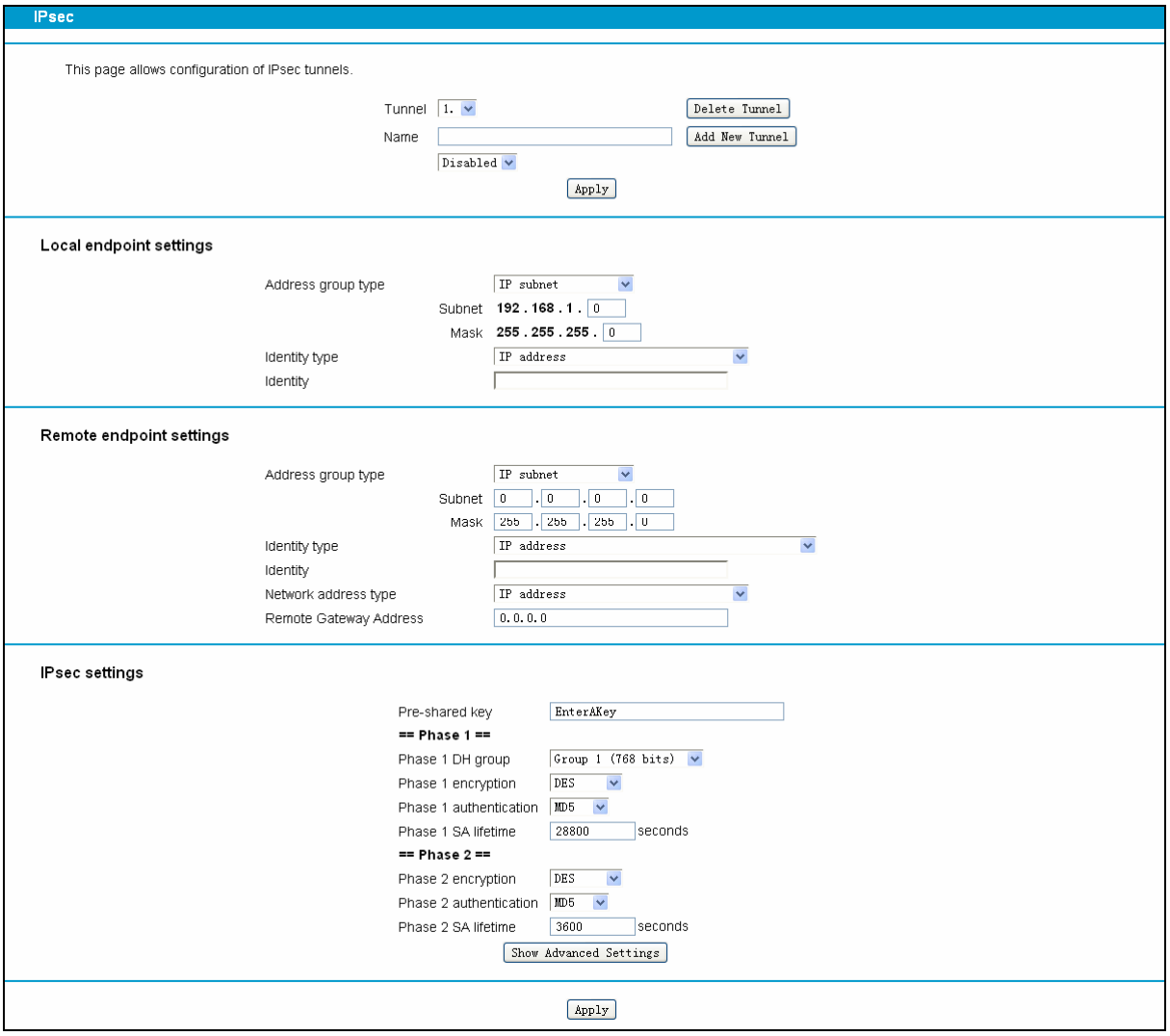
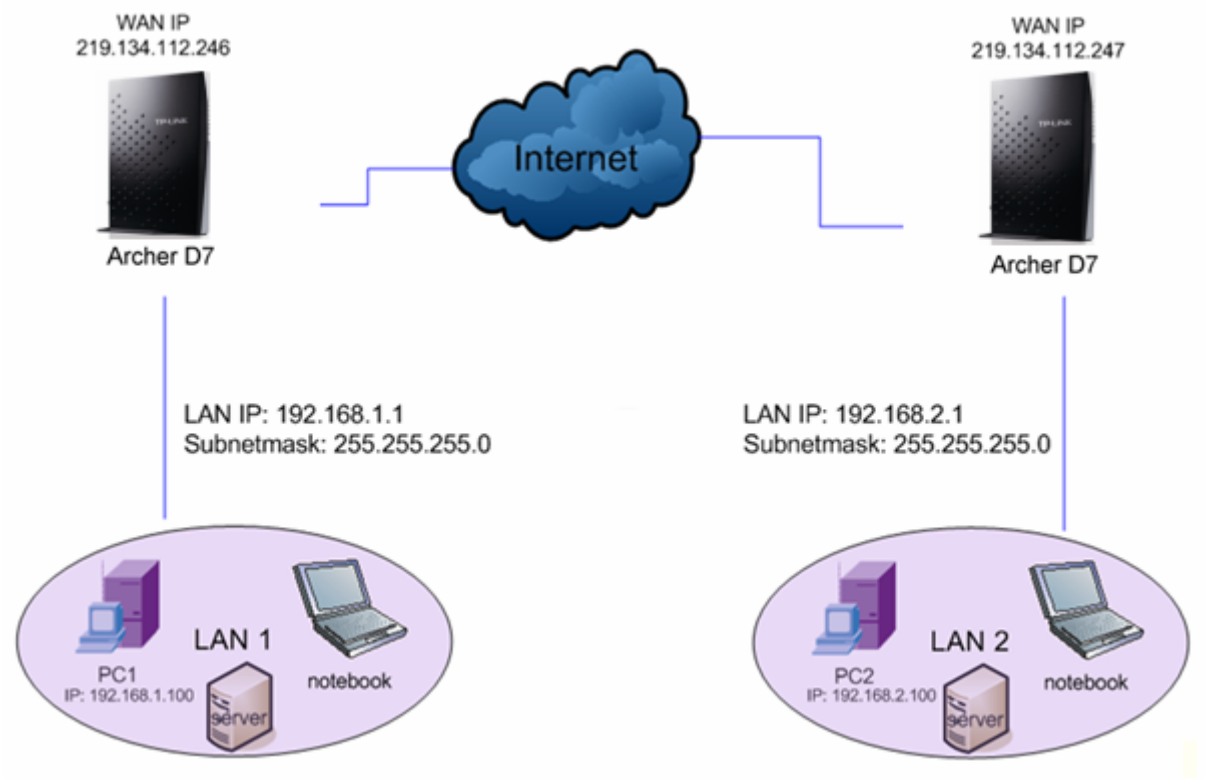


Figure 3-28

The topology is as follows.



Note:

You could also use other VPN Routers to set VPN tunnels with Archer CR700. Archer CR700 supports up to 10 VPN tunnels simultaneously.

3.7.3 Event Log

This page allows you to view the VPN Event Log.

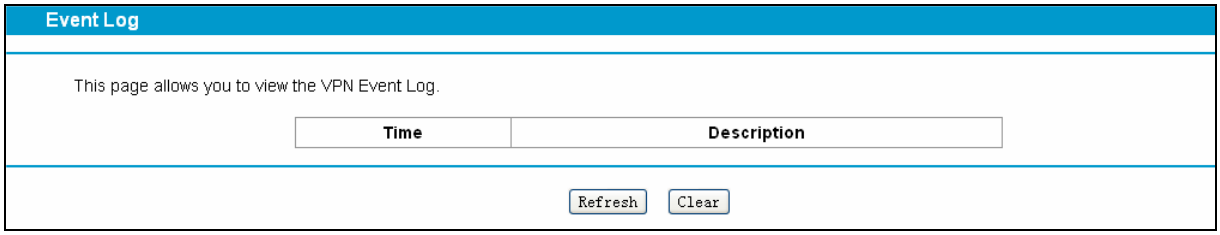
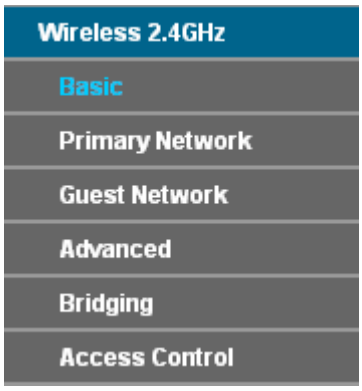


Figure 3-29

3.8 Wireless 2.4GHz

There are six submenus under the Wireless 2.4GHz menu. Click any of them, and you will be able to configure the corresponding function.



3.8.1 Basic

Choose menu "**Wireless 2.4GHz**" → "**Basic**", you can configure the basic settings for the wireless network of 2.4GHz on this page.

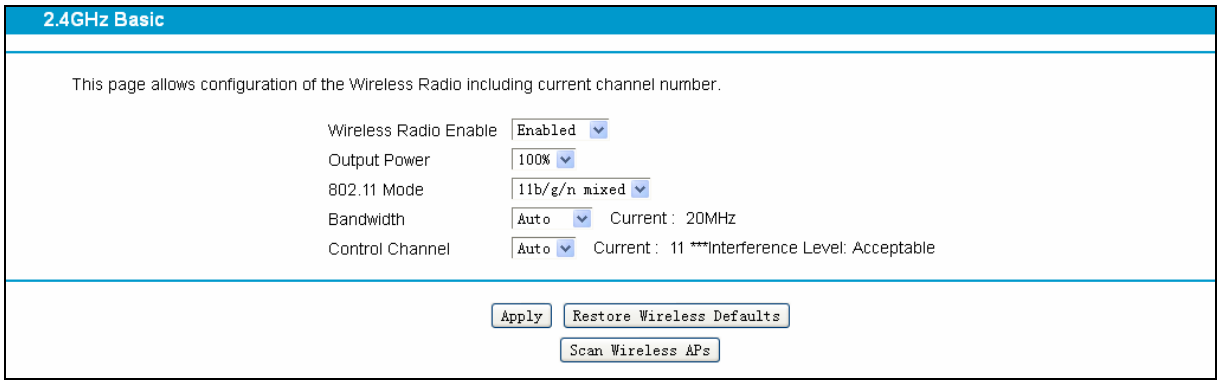


Figure 3-30

- **802.11 Mode:** Select the desired mode. It is strongly recommended that you set the Mode to **802.11b/g/n mixed**, and all of 802.11b, 802.11g, and 802.11n wireless stations can connect to the modem router.
- **Bandwidth:** Select the channel width from the drop-down list. The default setting is Auto, which can adjust the channel width for your clients automatically.

☞ **Note:**

If **11b/g mixed** is selected in the **802.11 Mode** field, the **Bandwidth** value will become 20M, which is unable to be changed.

- **Control Channel:** Select the channel you want to use from the drop-down List of Channel. This field determines which operating frequency will be used. It is not necessary to change the wireless channel unless you notice interference problems with another nearby access point.

Click **Save** to save your settings.

3.8.2 Primary Network

This page allows configuration of the Primary Wireless Network and its security settings.

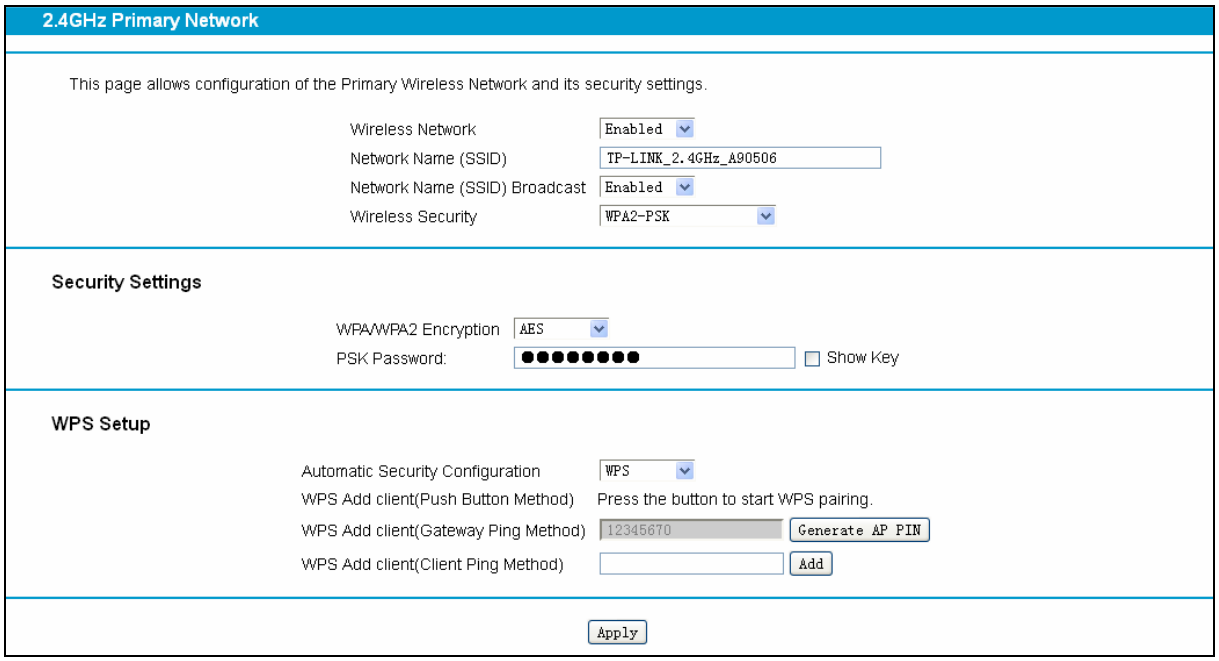


Figure 3-31

3.8.3 Guest Network

This feature allows you to create a separate network for your guests without allowing them to access your main network and the computers connected to it.

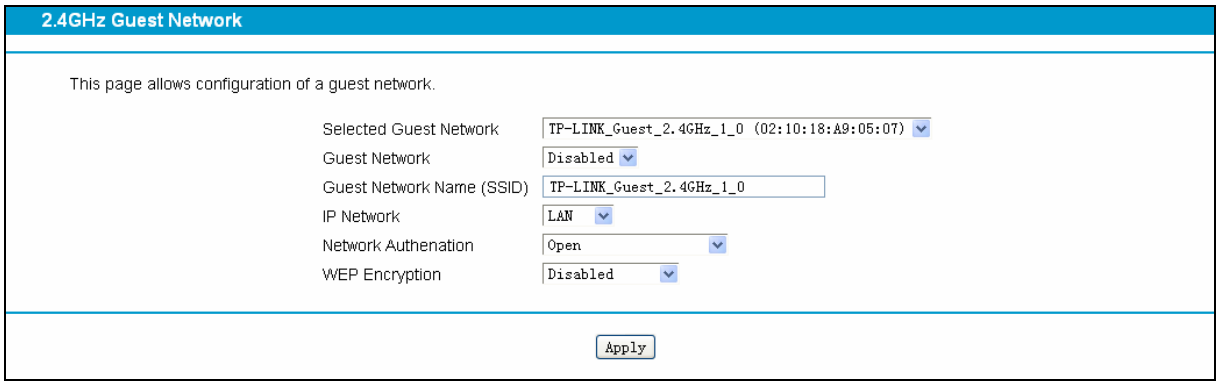


Figure 3-32

3.8.4 Advanced

This page allows configuration of data rates and WiFi thresholds.

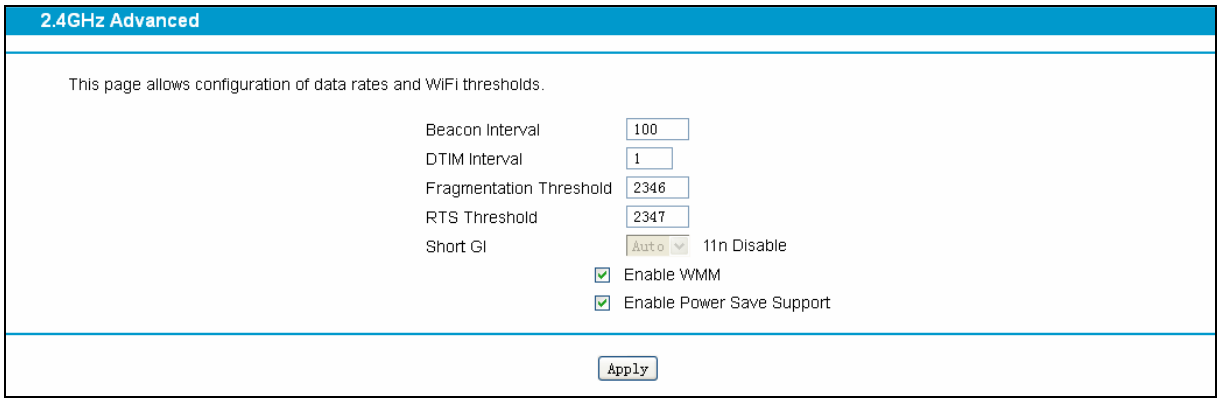


Figure 3-33

3.8.5 Bridging

This page allows configuration of WDS features.

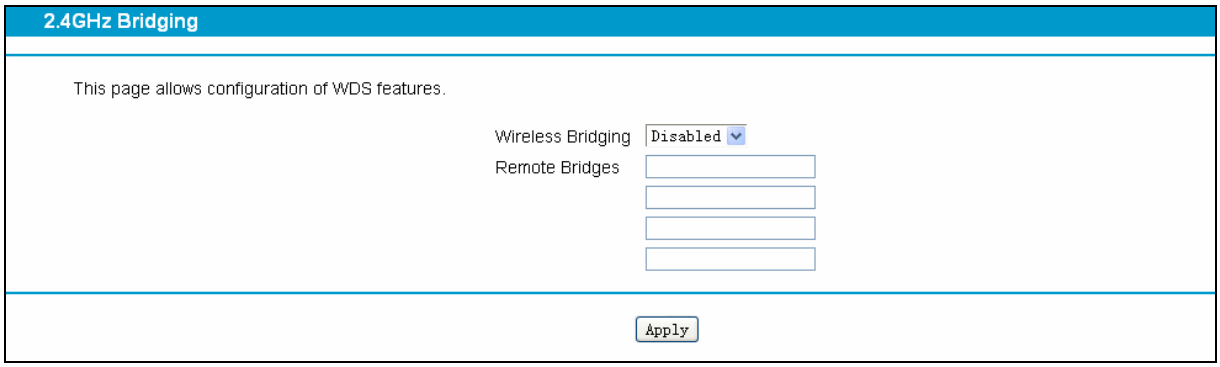


Figure 3-34

3.8.6 Access Control

This page allows configuration of the Access Control to the AP as well as status on the connected clients.

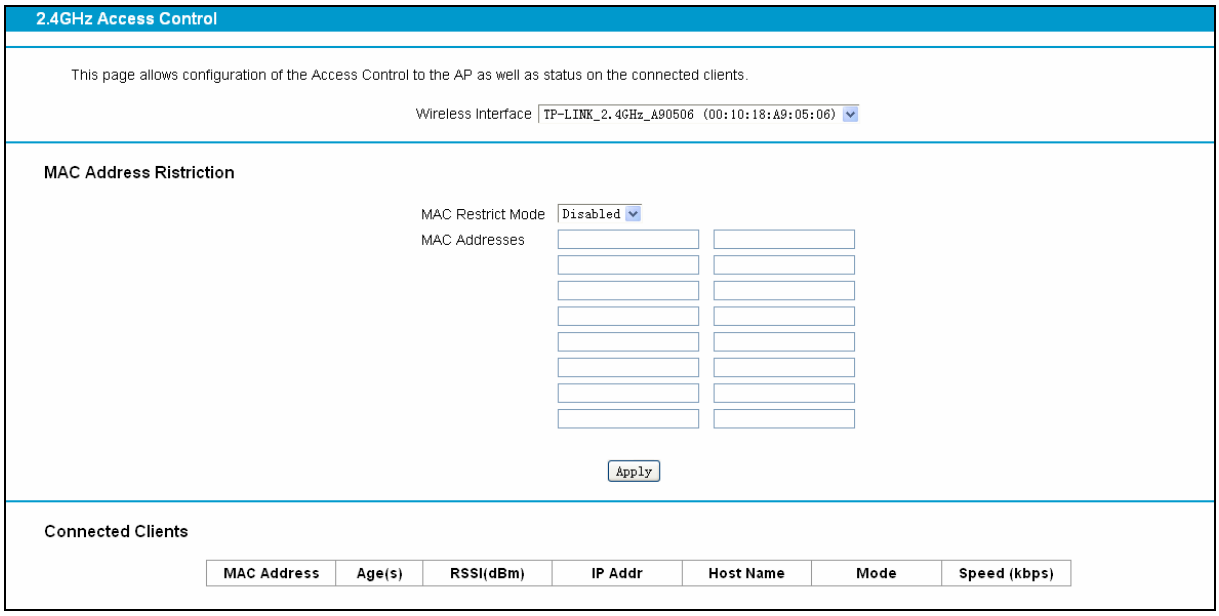
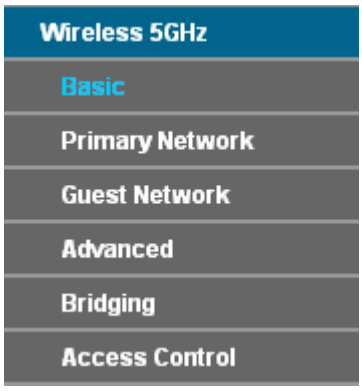


Figure 3-35

3.9 Wireless 5GHz

There are six submenus under the Wireless 5GHz menu. Click any of them, and you will be able to configure the corresponding function.



3.9.1 Basic

Choose menu "**Wireless5GHz**" → "**Basic**", you can configure the basic settings for the wireless network of 5GHz on this page.

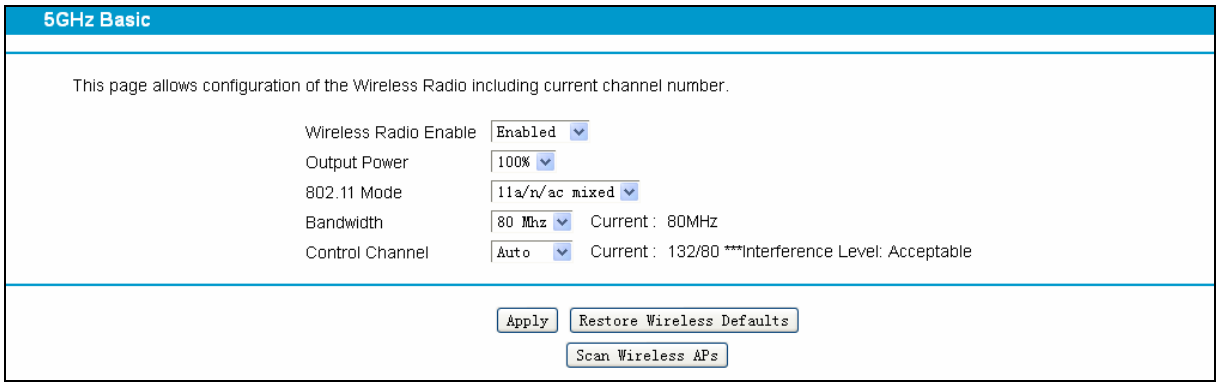


Figure 3-36

3.9.2 Primary Network

This page allows configuration of the Primary Wireless Network and its security settings.

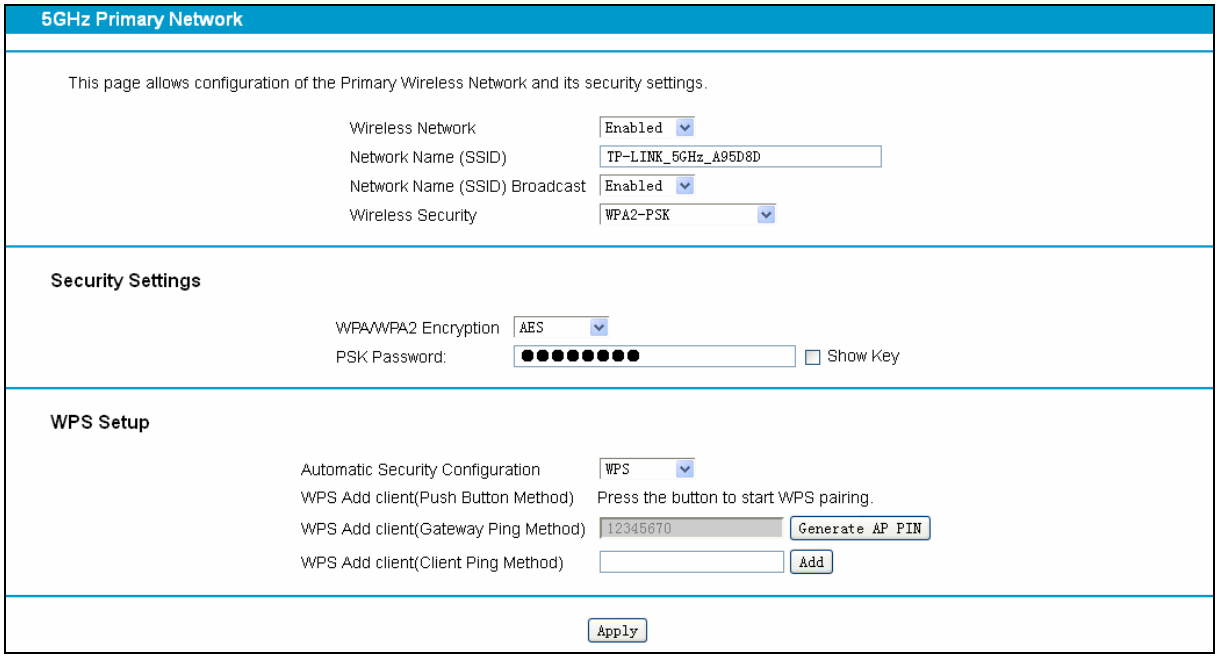


Figure 3-37

3.9.3 Guest Network

This page allows configuration of a guest network.

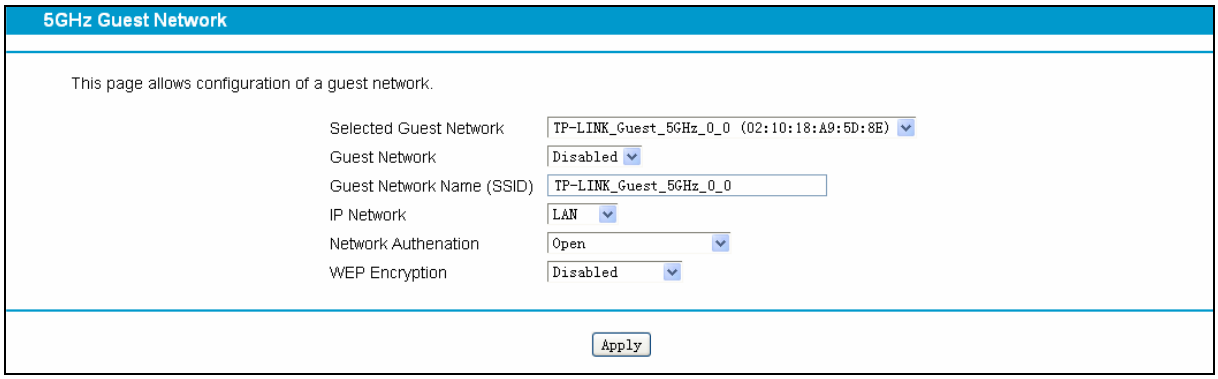


Figure 3-38

3.9.4 Advanced

This page allows configuration of data rates and WiFi thresholds.

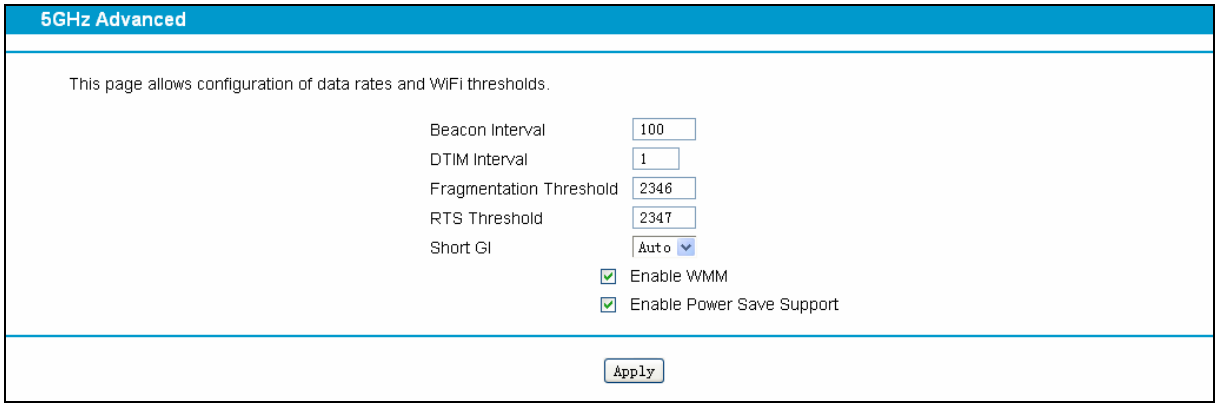


Figure 3-39

3.9.5 Bridging

This page allows configuration of WDS features.

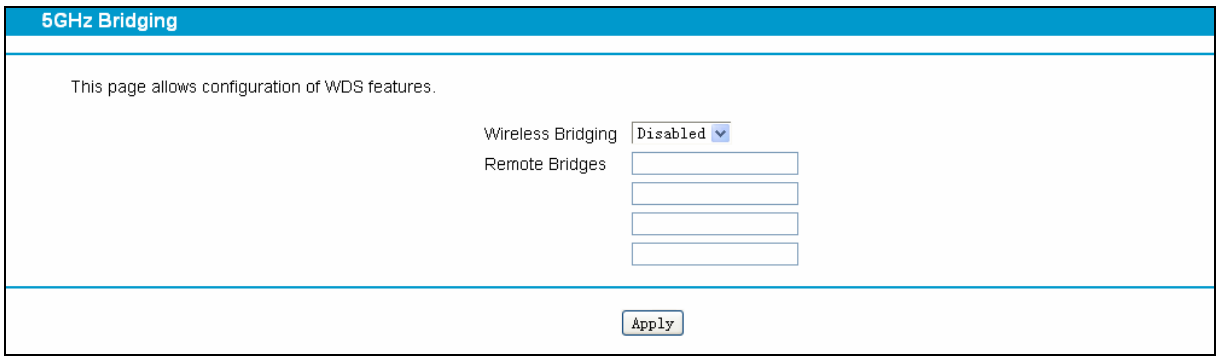


Figure 3-40

3.9.6 Access Control

This page allows configuration of the Access Control to the AP as well as status on the connected clients

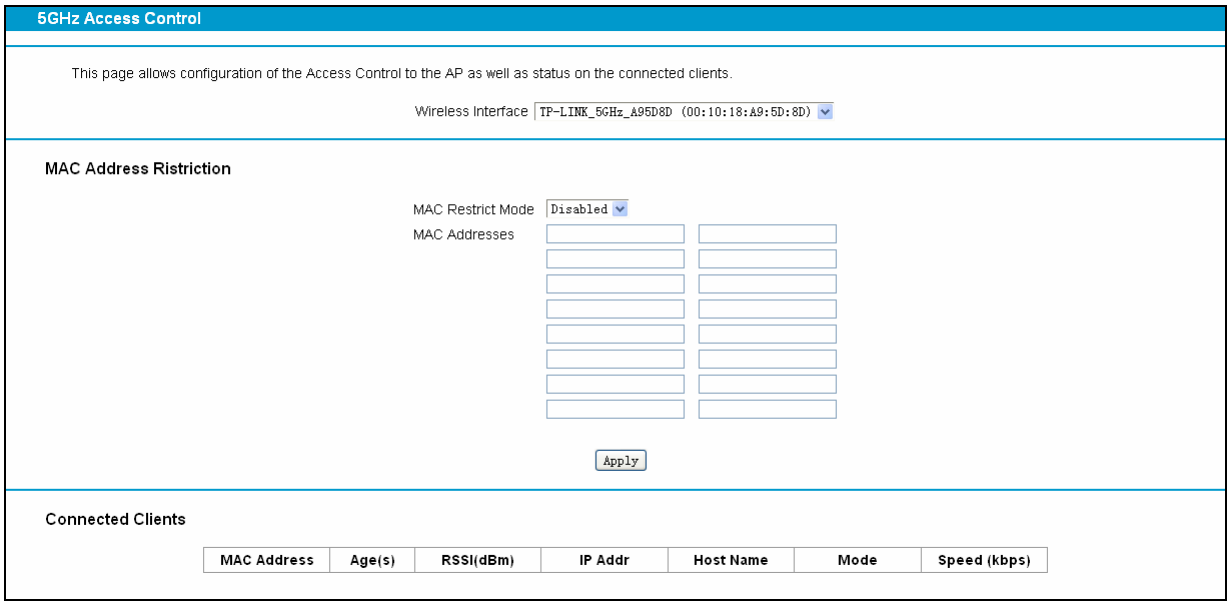
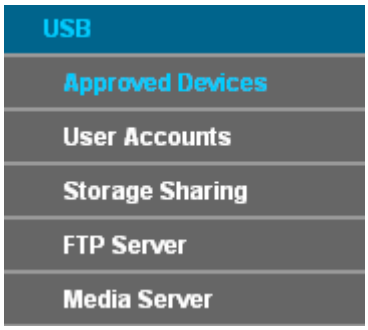


Figure 3-41

3.10 USB Settings

There are five submenus under the USB menu. Click any of them, and you will be able to configure the corresponding function.



3.10.1 Approved Devices

Choose menu "**USB**" → " **Approved Devices**", you can configure a USB disk drive attached to the modem router and view volume and share properties such as share name, capacity, status, and action, etc on this page as shown below.

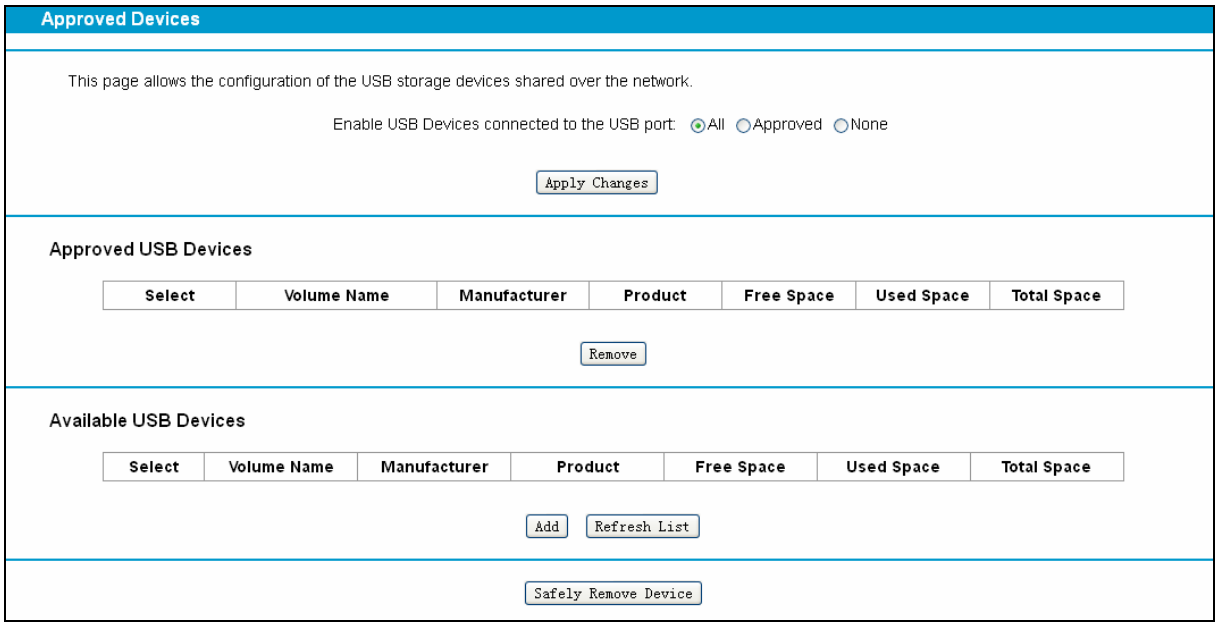


Figure 3-42

3.10.2 User Accounts

You can specify the user name and password for Storage Sharing and FTP Server users on this page. Storage Sharing users can access the folders by entering the following URL into the address field of your browser or Windows Explorer, such as. \\192.168.1.1. FTP Server users can log into the FTP Server via FTP Client.

There are five users here, which provide means to control the access to the USB mass storage by Storage Sharing or FTP. The Super User has the right to read and write to Storage Sharing and FTP Server.

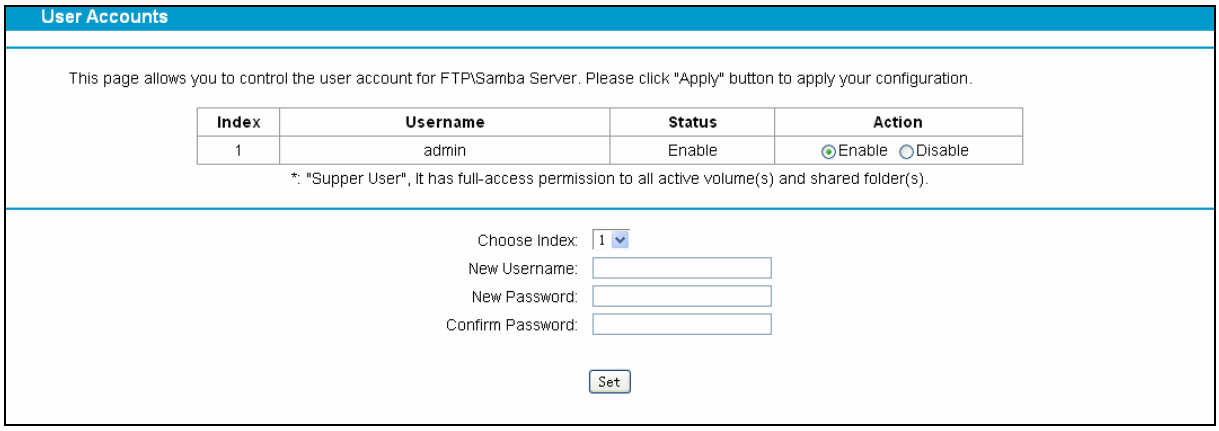


Figure 3-43

To add a new user account, please follow the steps below:

1. Choose the index from the drop-down list of **Choose Index**.
2. Self-define a **New Username**.
3. Enter the password in the **New Password** field.
4. Re-enter the password in the **Confirm password** field.
5. Click the **Set** button, and then a new entry will be added in the table.

To delete an existing user account, please click **Delete** in the **Action** column.

3.10.3 Storage Sharing

Choose menu "**USB**" → "**Storage Sharing**", you can configure a USB disk drive attached to the modem router and view volume and share properties on this page as shown below.

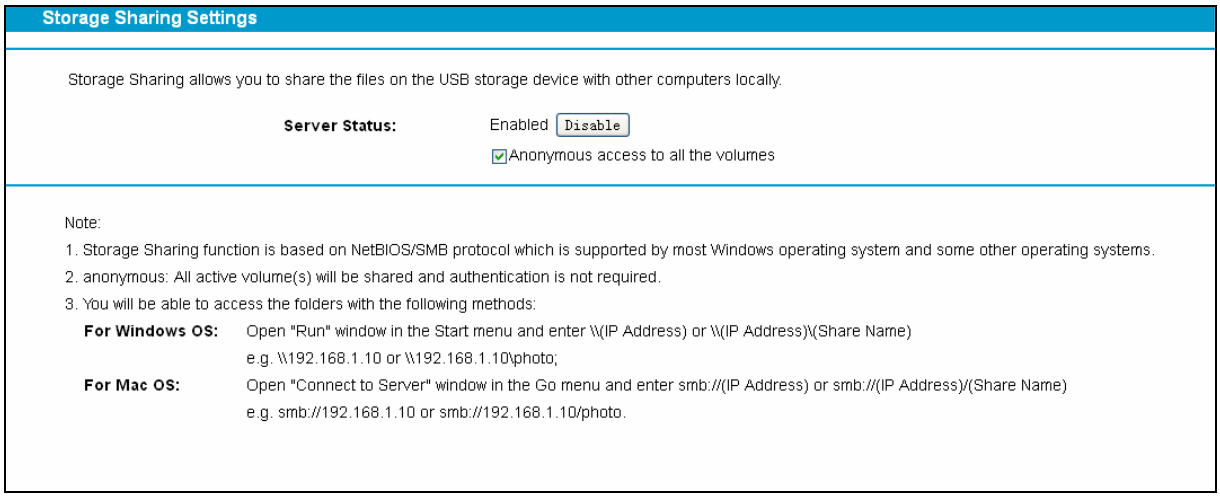
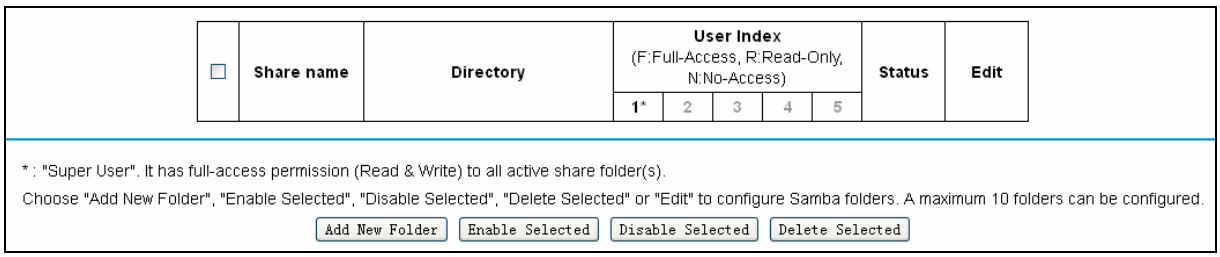


Figure 3-44

- **Server Status:** Indicates the Storage Sharing's current status.
- **Anonymous access to all the volumes:** This function is enabled by default, so users can access all activated volumes of Storage Sharing without accounts. If you want to add a shared folder which does not allow anonymous login, uncheck the box to disable this function. And **Folder Table** will be displayed as shown below.



- **Share Name:** This folder's display name.
- **Directory:** The real full path of the specified folder.
- **User Access:** The authorization of the user is displayed. * users mean Super Users who have the full-access permission to all activated volumes and share folders. Grey users mean the users who have no right to use this function. Others are common users.
- **Status:** The status of the entry is enabled or disabled.
- **Edit:** Click **Edit** in the table, and then you can modify the entry.

To add a new folder, follow the instructions below.

1. Click **Add New Folder**.

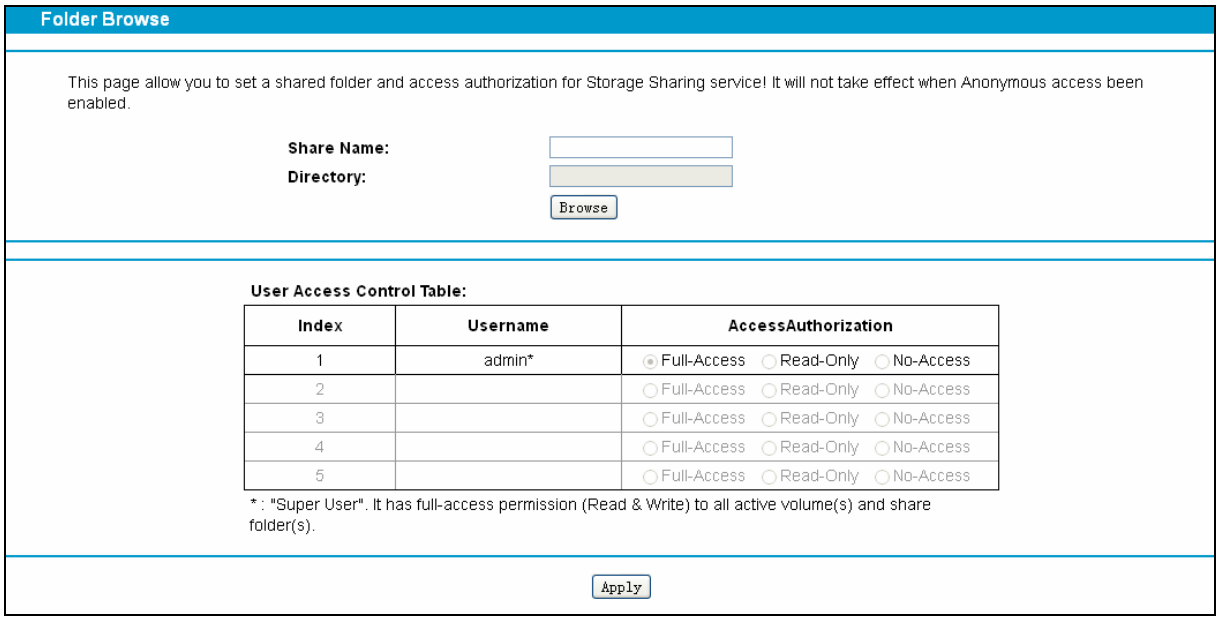


Figure 3-45

2. Click the **Browse** button, and then select the **Select Volume** from the drop-down list.
3. Enter display name of the share folder in **Share Name** filed.
4. Click the **Apply** button to apply the settings.

You can click the **upper** button to go to the upper folder

Click the **Enable/Disable Selected** button to enable or disable the selected entries.

Click the **Delete Selected** button to delete the selected entries.

☞ **Note:**

1. The max share folders number is 10. If you want to share a new folder when the number has reached 10, you can delete an existing share folder and then add a new one.
2. If you want to change the Storage Sharing settings, you can click the Apply button to make the changes take effect.

3.10.4 FTP Server

Choose menu "**USB Settings**"→"**FTP Server**", you can create an FTP server that can be accessed from the Internet or your local network.

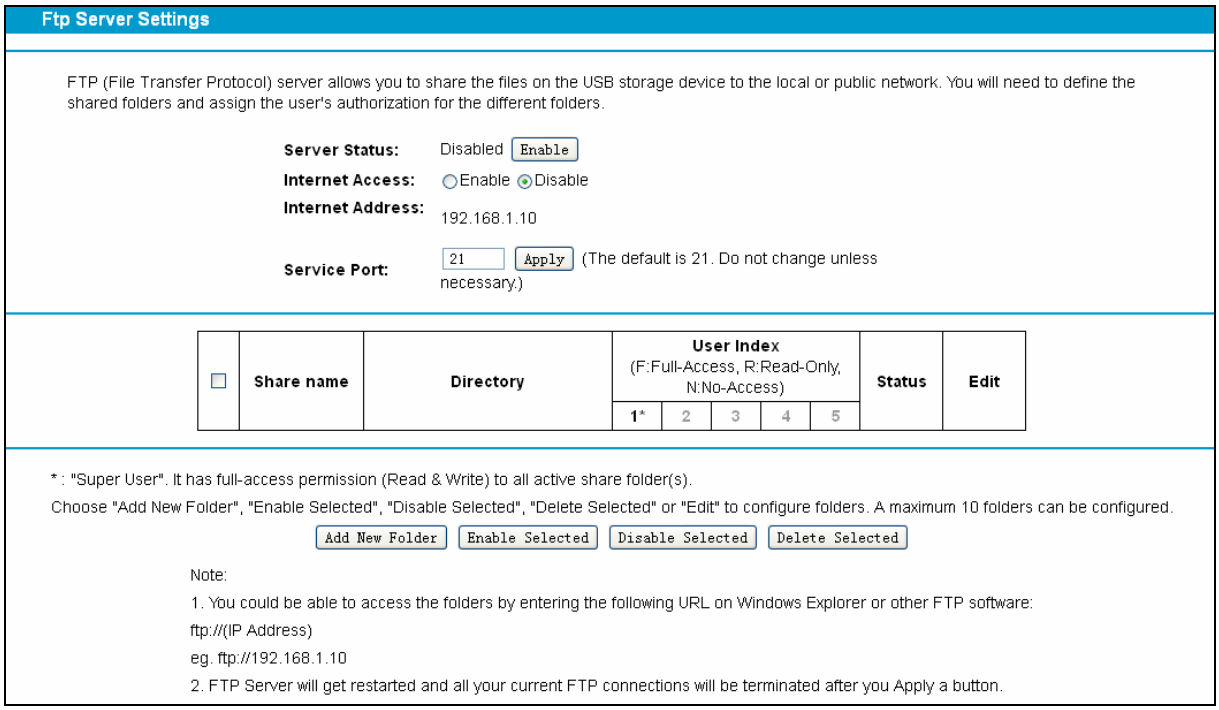


Figure 3-46

- **Server Status:** Indicates the FTP Server's current status.
- **Internet Access:** If **Internet Access** is enabled, user(s) in public network can access FTP server via **Internet Address**.
- **Internet Address:** If **Internet Access** is enabled, WAN IP will be displayed here.
- **Service Port:** Enter the FTP Port number to use. The default is 21.
- **Share Name:** This folder's display name.
- **Directory:** The real full path of the specified folder.
- **User Index:** The authorization of the user is displayed.
- **Status:** The status of the entry is enabled or disabled.
- **Edit:** Click **Edit** in the table, and then you can modify the entry.

To add a new folder, follow the instructions below.

1. Click **Add New Folder** in Figure 3-46.

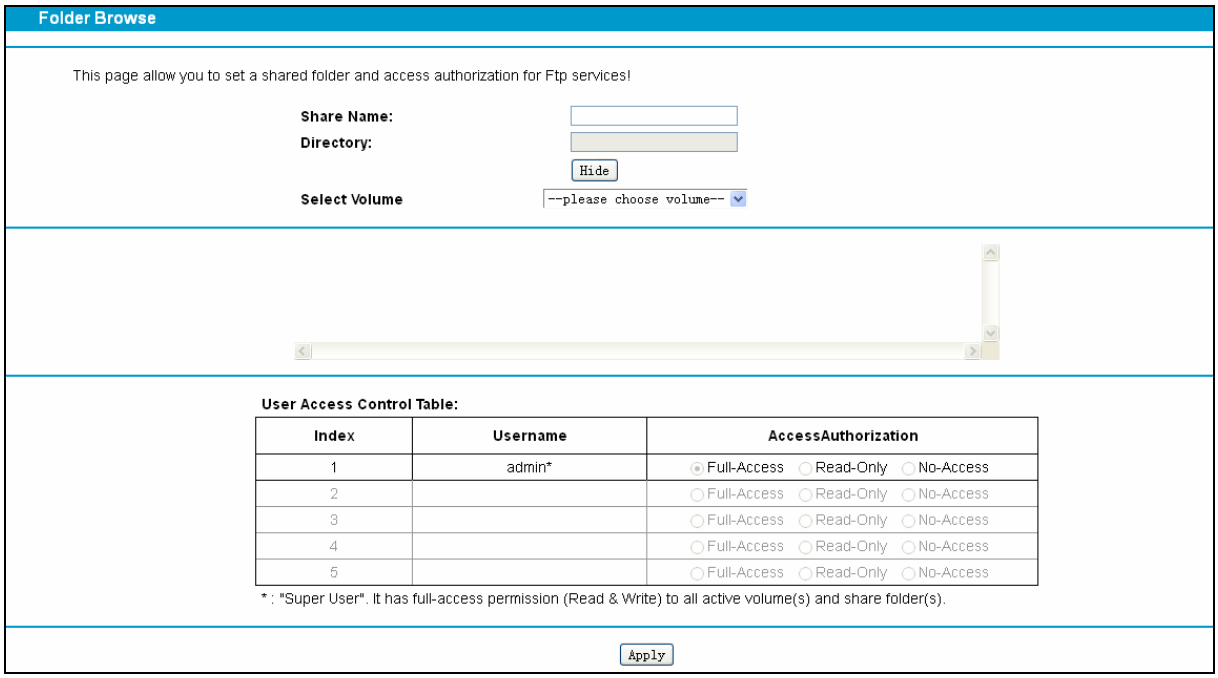


Figure 3-47

2. Click the **Browse** button, and then select the **Select Volume** from the drop-down list.
3. Enter display name of the share folder in **Share Name** filed.
4. Click the **Apply** button to apply the settings.

You can click the **upper** button to go to the upper folder.

Click the **Enable/Disable Selected** button to enable or disable the selected entries.

Click the **Delete Selected** button to delete the selected entries.

☞ **Note:**

1. The max share folders number is 10. If you want to share a new folder when the number has reached 10, you can delete an existing share folder and then add a new one.
2. If you want to change the FTP settings, you can click the Apply button to make the changes take effect.

3.10.5 Media Server

Choose menu "**USB**"→"**Media Server**", you can create media server that allows you to share stored content with other computers and devices on your home network and on the Internet.

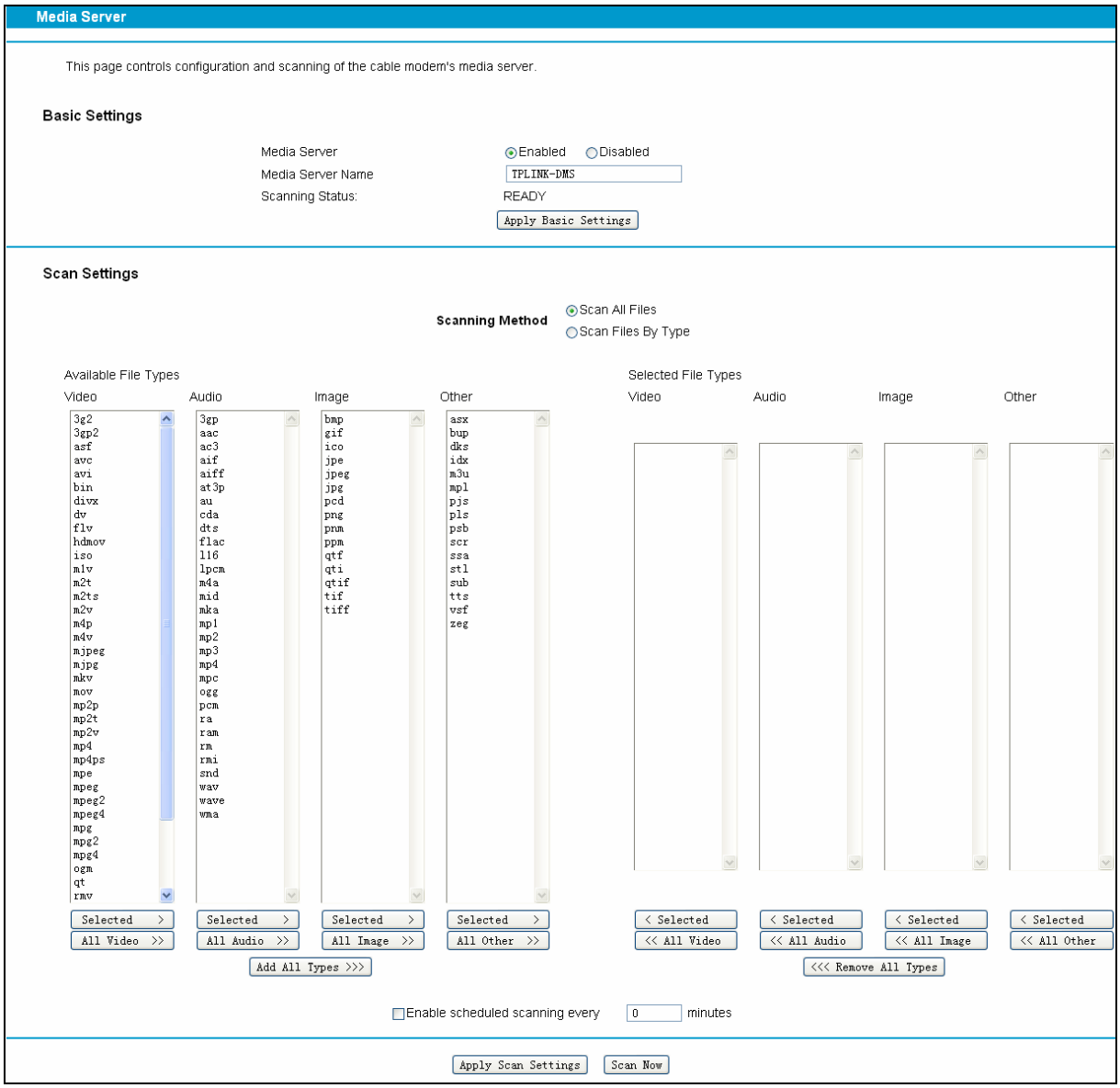


Figure 3-48

Note:

The max share folders number is 6. If you want share a new folder when the numbers has been reached to be 6, you can delete a share folder and then add a new one.

3.11 Logout

Choose "**Logout**", and you see the screen as shown in Figure 3-49. Click **Back to Login** and you will be redirect to the login screen.

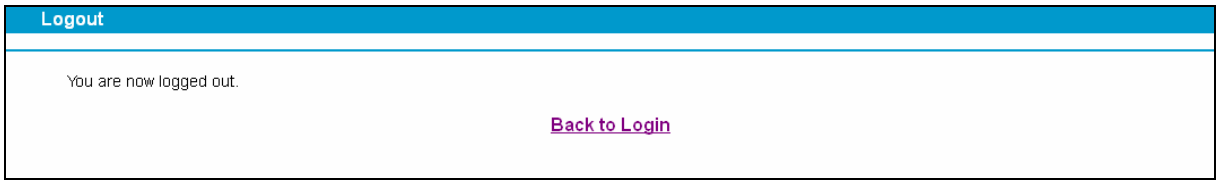


Figure 3-49

Appendix A: Specifications

HARDWARE FEATURES	
IEEE Standards	IEEE 802.3, 802.3u
Certification	CE, FCC, RoHS, CableLabs
DOCSIS Standards	DOCSIS 3.0/EuroDOCSIS 3.0 DOCSIS 2.0/EuroDOCSIS 2.0 DOCSIS 1.1/EuroDOCSIS 1.1 DOCSIS 1.0/EuroDOCSIS 1.0
Interface	1 F-Connector, female 75 Ω 4 10/100/1000Mbps RJ45 LAN Ports 2 USB 2.0 Ports
Button	1 Power On/Off¬ Button 1 Wi-Fi On/Off¬ Button 1 WPS Button 1 Reset Button
External Power Supply	12VDC/3.5A
Antenna Type	Omni directional, Internal
Antenna Gain	3×5dBi for 2.4GHz and 5GHz
Maximum PHY Rate	DOCSIS Up to 680 Mbps EuroDOCSIS Up to 880 Mbps
Bandwidth	DOCSIS 96 MHz(16 channels) / 6MHz (single channel) EuroDOCSIS 128 MHz(16 channels) / 6MHz (single channel)
WIRELESS FEATURES	
Wireless Standards	IEEE 802.11ac/n/a 5GHz IEEE 802.11b/g/n 2.4GHz
Wireless Speeds	5GHz: Up to 1300Mbps 2.4GHz: Up to 450Mbps
Frequency	2.4GHz and 5GHz
Wireless Security	64/128-bit WEP,WPA/WPA2,WPA-PSK/ WPA2-PSK encryption, Wireless MAC Filtering
Physical and Environment	
Working Temperature	0℃ ~ 40℃
Working Humidity	10% ~ 90% RH (non-condensing)

Storage Temperature	-40℃ ~ 70℃
Storage Humidity	5% ~ 90% RH (non-condensing)

Appendix B: Technical Support

Technical Support

- For more troubleshooting help, go to:
  http://www.tp-link.com/en/support/faq
- To download the latest Firmware, Driver, Utility and User Guide, go to:
  http://www.tp-link.com/en/support/download
- For all other technical support, please contact us by using the following details:

Global
Tel: +86 755 2650 4400
Fee: Depending on rate of different carriers, IDD.
E-mail: support@tp-link.com
Service time: 24hrs, 7 days a week

USA/Canada
Toll Free: +1 866 225 8139
E-mail: support.usa@tp-link.com (USA)
support.ca@tp-link.com (Canada)
Service time: 24hrs, 7 days a week

Turkey
Tel: 0850 7244 488 (Turkish Service)
Fee: Depending on rate of different carriers.
E-mail: support.tr@tp-link.com
Service time: 09:00 to 21:00, 7 days a week

Ukraine
Tel: 0800 505 508
Fee: Free for Landline; Mobile: Depending on rate of different carriers
E-mail: support.ua@tp-link.com
Service time: Monday to Friday, 10:00 to 22:00

Brazil
Toll Free: 0800 608 9799 (Portuguese Service)
E-mail: suporte.br@tp-link.com
Service time: Monday to Friday, 09:00 to 20:00; Saturday, 09:00 to 15:00

Indonesia
Tel: (+62) 021 6386 1936
Fee: Depending on rate of different carriers.
E-mail: support.id@tp-link.com
Service time: Monday to Friday, 09:00 to 12:00, 13:00 to 18:00 *Except public holidays

Australia/New Zealand
Tel: NZ 0800 87 5465 (Toll Free)
AU 1300 87 5465 (Depending on 1300 policy.)
E-mail: support.au@tp-link.com (Australia)
support.nz@tp-link.com (New Zealand)
Service time: 24hrs, 7 days a week

Germany/Austria
Tel: +49 1805 875 465 (German Service)
+49 1805 TPLINK
+43 820 820 360
Fee: Landline from Germany: 0.14EUR/min.
Landline from Austria: 0.20EUR/min.
E-mail: support.de@tp-link.com
Service time: Monday to Friday, 09:00 to 12:30 and 13:30 to 18:00. GMT+1 or GMT+2 (DST in Germany) *Except bank holidays in Hesse

Singapore
Tel: +65 6284 0493
Fee: Depending on rate of different carriers.
E-mail: support.sg@tp-link.com
Service time: 24hrs, 7 days a week

UK
Tel: +44 (0) 845 147 0017
Fee: Landline: 1p-10.5p/min, depending on the time of day. Mobile: 15p-40p/min, depending on your mobile network.
E-mail: support.uk@tp-link.com
Service time: 24hrs, 7 days a week

Italy
Tel: +39 023 051 9020
Fee: Depending on rate of different carriers.
E-mail: support.it@tp-link.com
Service time: Monday to Friday, 09:00 to 13:00; 14:00 to 18:00

Malaysia
Toll Free: 1300 88 875 465
Email: support.my@tp-link.com
Service time: 24hrs, 7 days a week

Poland
Tel: +48 (0) 801 080 618
+48 223 606 363 (if calls from mobile phone)
Fee: Depending on rate of different carriers.
E-mail: support.pl@tp-link.com
Service time: Monday to Friday, 09:00 to 17:00. GMT+1 or GMT+2 (DST)

France
Tel: 0820 800 860 (French service)
Fee: 0.118 EUR/min from France
Email: support.fr@tp-link.com
Service time: Monday to Friday, 09:00 to 18:00 *Except French Bank holidays

Switzerland
Tel: +41 (0) 848 800 998 (German Service)
Fee: 4-8 Rp/min, depending on rate of different time.
E-mail: support.ch@tp-link.com
Service time: Monday to Friday, 09:00 to 12:30 and 13:30 to 18:00. GMT+1 or GMT+2 (DST)

Russian Federation
Tel: 8 (499) 754 5560 (Moscow NO.)
8 (800) 250 5560 (Toll-free within RF)
E-mail: support.ru@tp-link.com
Service time: From 09:00 to 21:00 (Moscow time) *Except weekends and holidays in RF