

**Zoom Telephonics, Inc.**

**Zoom Mobile Broadband Modem/  
Router with Wireless-N  
User's Guide**

## Content

1	Introduction	3
1.1	Features	3
1.2	Interface description	5
2	Web management interface	7
2.1	Login Router	7
3	Quick Setup	7
4	Router Setting	8
4.1	Port Status	8
4.2	3G Information	9
4.3	statistics	9
4.4	ACS Client	10
4.5	DHCP Client	11
5	Internet Settings	11
5.1	WAN Setup	11
5.1.1	3G Mode	11
5.2	Static Routing	12
6	LAN Setting	13
6.1	LAN IP Setup	13
7	Firewall	14
7.1	Port Forwarding	14
7.2	Virtual Server	14
7.3	IP/MAC Filter	16
7.4	DMZ	17
7.5	system Security	17
7.6	URL filter	18
8	Application	18
8.1	USB Storage	18
8.2	USB Printer	20
8.3	USB Web Cam	20
8.4	DDNS	20
8.5	NTP Setting	21
8.6	PIN Setting	21
9	Administration	22
9.1	System Settings	22
9.2	Router Upgrade	23
9.3	System Log	23
10	Save/Reboot	24

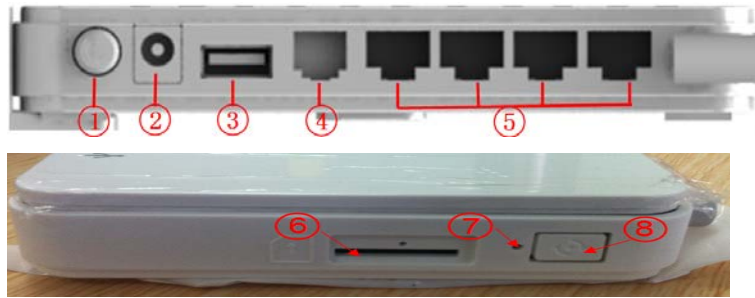
## 1 Introduction

### 1.1 Features

No.	Items	Specification
1	Standard	Wi-Fi: IEEE 802.11b/g/n Ethernet: IEEE 802.3u
2	Data Rate (HSPA)	<ul style="list-style-type: none"> <li>• HSPA uplink up to 5.76Mbps</li> <li>• HSDPA downlink up to 7.2 Mbps</li> <li>• WCDMA (UMTS) uplink data rate up to 384 kbps</li> <li>• EDGE data up to 237 Kbps DL and 118Kbps UL,</li> <li>• 3GPP Release 4, class 12</li> <li>• GPRS data up to 85.6 Kbps DL and 42.8 Kbps UL</li> <li>• Circuit switched data: 14.4 and 9.6 Kbps</li> </ul>
3	Data Rate(HSPA+)	HSPA+ DL 21.6Mbps UL 5.76 Mbps HSPA+ DL14.4 Mbps UL 5.76Mbps HSPA DL 7.2Mbps UL 5.76 Mbps UMTS DL/UL 384 kbps GPRS DL 85.6 kbps / UL 42.8 kbps EDGE 3GPP R4, Category 12, DL 237k bps / UL 118K bps
4	Antenna	1 external antenna for 3G 2 internal antennas for Wi-Fi WIFI external antenna: 5dbi WIFI internal antenna: 2.7dbi 3G Antenna: 5dbi
5	Port	4 LAN ports, 1Power, 1 Power Switch, 1 Antenna, 1 USB, 1 S(U)IM card slot
6	Band	Should support Quad-band for 2G (850, 900, 1800, 1900 MHz) & tri band for 3G (850, 900, 1900, 2100 MHz) optional WiFi:2.4-2.4835GHz
7	RF Power	3G:24dBm(Maximum) WiFi:22dBm(Maximum)
8	Receiver Sensitivity(3G)	less than -106.7 dBm

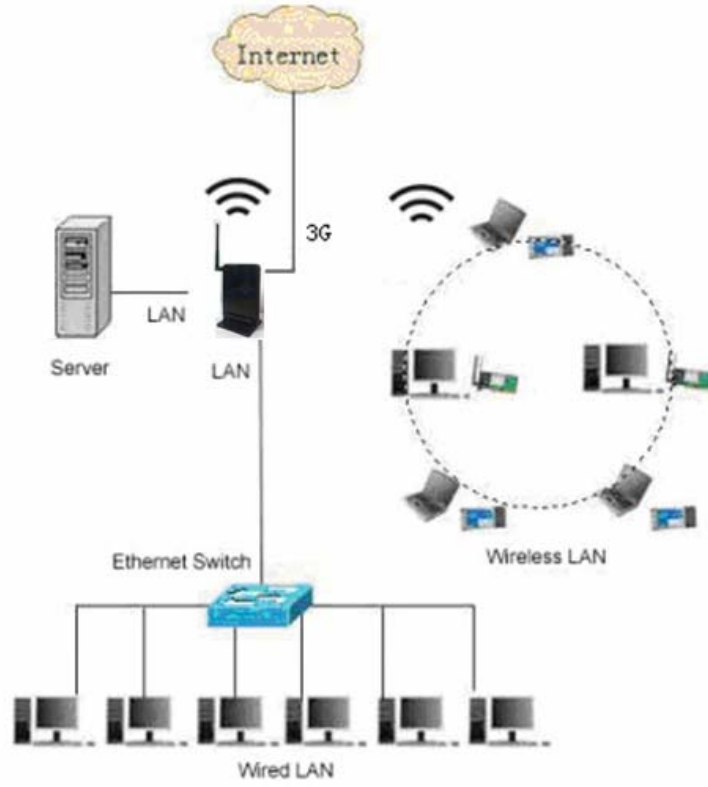
9	Power	Power Adapter connection (DC12V/1A)
10	Size	142*98*20 (mm)
11	Environment	i) Work temperature : -0°C to +40°C ii) Storage temperature : -20°C to +70°C iii) Relative Humidity : -10% to 90%

## 1.2 Interface description



- 1、 Power switch
- 2、 Power jack
- 3、 USB port
- 4、 Invalid port
- 5、 RJ-45 ports for 10/100 Base-T Ethernet LAN
- 6、 S(U)IM card slot
- 7、 Reset button
- 8、 WPS button

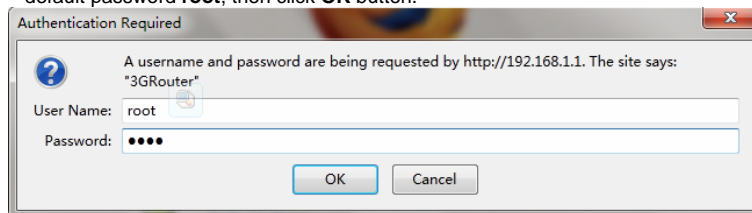
### 1.3 Hardware connection guide



## 2 Web management interface

### 2.1 Login Router

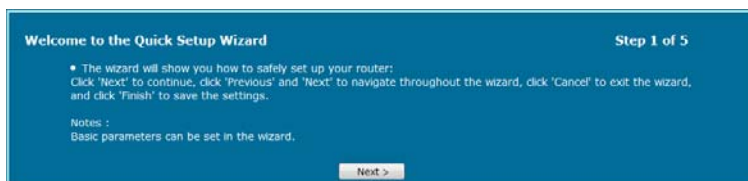
1. Connect LAN adapter on your PC with one of LAN port of this wireless router, then power on it. PC will get an IP address.
2. Run web browser on your PC(e.g.IE), type <http://192.168.1.1> in the address field, then press Enter, shown as follow figure, Input default User name **root** and default password **root**, then click **OK** button.



3. Then the following interface appears.

Quick Setup	Router Information	WAN Port
<b>Router Setting</b>	System Name: 3G Wireless Router	Connection Type: 3G
Router Status	Firmware Version: WG205_SPAIN_a291_b571	IP Address: 10.96.22.139
3G Information	Build Time: Mar 12 2013 19:04:37	Subnet Mask: 255.255.255.255
Statistics	H/W Version: V2.0	Default Gateway: 10.64.64.64
ACD Client	System Up Time: 3 mins, 38 secs	DNS Primary IP: 10.11.12.13
DHCP Client	Module Version: W0600-TW-AC-R1	DNS Secondary IP: 10.11.12.14
Internet Setting	System Status: Connect network success	
WAN Setup		
Static Routes		
<b>LAN Settings</b>	<b>LAN Port</b>	<b>Wireless Port</b>
Firewall	MAC Address: 00:18:05:00:A4:44	MAC Address: 00:18:05:00:A4:44
Application	IP Address: 192.168.1.1	SSID: WLAN_A444
Administration	Subnet Mask: 255.255.255.0	WIFI Frequency: Auto
System Settings	DHCP: Enabled	Mode: 11b/g/n mixed
Router Upgrade		Wireless AP: ON
System Log		SSID Broadcast: Enable
<b>Save/Reboot</b>		
Login out		
Español	CLICK HERE GET MORE	

## 3 Quick Setup



**Configure WAN Settings** Step 2 of 5

Net Mode:

3G Mode

---

APN:

PDP Context:

Dial Number:

User Name:

Password:

Authentication:

Operation Mode:

**Configure WiFi Settings** Step 3 of 5

WiFi Enable:

SSID:

Mode:

**Configure WiFi Security** Step 4 of 5

Security Mode:

WPA

---

WPA Algorithms:  TKIP  AES  TKIPAES

Pass Phrase:

Key Renewal Interval:  Seconds (0 ~ 4194303)

**Configuration as Follows** Step 5 of 5

Connection Type :	3G
Net Mode :	3G
APN :	movistar.es
Dial Number :	*99#
Username :	MOVISTAR
Authentication :	AUTO
Operation Mode :	Manual
WiFi :	Enable
SSID :	WLAN_A444
Wireless Mode :	802.11b/g/n mixed
Security Mode :	WPA2 PSK

## 4 Router Setting

### 4.1 Port Status

It will show some information to you.



Router Information		WAN Port	
System Name	3G Wireless Router	Connection Type	3G
Firmware Version	WG205_SPAIN_a291_b571	IP Address	10.96.22.139
Build Time	Mar 12 2013 19:04:37	Subnet Mask	255.255.255.255
H/W Version	V2.0	Default Gateway	10.64.64.64
System Up Time	6 mins, 48 secs	DNS Primary IP	10.11.12.13
Module Version	WU600-TW-AC-R1	DNS Secondary IP	10.11.12.14
System Status	Connect network success		
LAN Port		Wireless Port	
MAC Address	00:18:05:00:A4:44	MAC Address	00:18:05:00:A4:44
IP Address	192.168.1.1	SSID	WLAN_A444
Subnet Mask	255.255.255.0	Wifi Frequency	Auto
DHCP	Enabled	Mode	11b/g/n mixed
		Wireless AP	ON
		SSID Broadcast	Enable

[CLICK HELP GET MORE](#)

## 4.2 3G Information

It will show some information about the network.

Network information	
Current APN :	movistar.es
SIM Status :	READY
IMEI :	352767041321264
IMSI :	460018541305876
Network Mode :	UNKNOWN
3G signal	-73 dBm
RSCP :	0
ECIO :	0
LAG :	0
PSC :	0
ARFCN :	0
Current Frequency :	UNKNOWN
Register Status :	Not registered, Not searching
Registered Network :	
CELL ID :	0

[CLICK HELP GET MORE](#)

## 4.3 statistics

It shows the statistics data.

**Statistics**

Memory

Memory Total: 28404 kB  
Memory left: 6492 kB

\	WAN(3G)	LAN	WIFI
Rx Packets	207	1445	4876
Rx Bytes	42400	124379	1002101
Rx Error	0	0	0
Rx Dropped	0	0	0
Tx Packets	250	1546	504
Tx Bytes	27266	1124365	33260
Tx Error	0	0	0
Tx Dropped	0	0	0

[CLICK HERE TO GET MORE](#)

**Memory:** The display the router memory total size and the remaining size.

**WAN/LAN:** Show WAN/LAN transceiver packet situation.

**RA0:** Show Wireless transceiver packet situation.

#### 4.4 ACS Client

It shows the information of the ACS Client.

WAN Management Protocol (TR-069) allows a Auto-Configuration Server (ACS) to perform auto-configuration, provision, collection, and diagnostics to this device.  
Select the desired values and click 'Apply/Save' to configure the TR-069 client options.

**Automatic Configuration Server**

Inform:

Inform Interval:

ACS URL:

ACS User Name:

ACS Password:

WAN Interface used by TR-069 client:

Connection Request Authentication:

Connection Request User Name:

Connection Request Password:

Connection Request URL:

[CLICK HERE TO GET MORE](#)

**Inform:** Set the status of the inform function.

**Inform Interval:** Set the inform interval time.

**ACS URL:** Set the URL of the ACS server.

## 4.5 DHCP Client

This page shows DHCP client information such as host name, MAC address, IP address and lease time.

DHCP Client			
Hostname	MAC Address	IP Address	Expires in
zero0	04:7D:7B:18:23:57	192.168.1.100	23:57:06
testpc1	60:D8:19:D2:2F:7C	192.168.1.101	23:57:30

Arp Log		
No.	IP Address	MAC Address
1	192.168.1.100	04:7D:7B:18:23:57
2	192.168.1.101	60:D8:19:D2:2F:7C
3	192.168.1.100	04:7D:7B:18:23:57

CLICK [HELP](#) GET MORE

## 5 Internet Settings

### 5.1 WAN Setup

#### 5.1.1 3G Mode

According to your network environment to choose the different connection mode and configure the APN parameters.

When you click on the "Apply" button, system will be reconfigured.

If you want to disconnect the 3G net, click on the "disconnect" button.

WAN Connection Setup	
Net Mode	3G
Connection Status	connected
3G Mode	
Frequency	GSM/W900/2100
APN	movistar.es
PDP Context	IP
Dial Number	*99#
User Name	MOVISTAR
Password	MOVISTAR
Authentication	AUTO
Operation Mode	Keep Alive
Redial Period	300 seconds
<input type="button" value="Disconnect"/>	
<input type="button" value="Apply"/>	

CLICK [HELP](#) GET MORE

**Net Mode:** Choose 3G or 2G mode. It will try to use 3G mode at first when you choose

auto.

**APN:** APN (Access Point Name) is a configurable network identifier.

**PDP Context:** A Packet Data Protocol (PDP) context.

**Dial Number:** It is the dial number which will be used when you create a Dial-Up connection with 3G.

**Username:** It is the user name which will be used when you create a Dial-Up connection with 3G.

**Password:** It is the password which will be used when you create a Dial-Up connection with 3G.

**Authentication:** You can choose Password Authentication Protocol (PAP) or Challenge Handshake Authentication Protocol (CHAP) to pass the Authentication.

**Operation Mode:**

**Auto:** The 3G Modem automatically dials to access internet when it is switched on.

**Manual:** The 3G Modem dials to connect internet by clicking "connect" the connection page of the management console.

**On Demand:** The 3G Modem automatically dials to connect internet when you attempt to send data through internet.

**Apply & Disconnect:** connect or disconnect the 3G dial.

## 5.2 Static Routing

It shows some information of the static routing.

**Static Routing**  
Current Routing Table :

No.	Dest IP	Netmask	Gateway	Interface	Comment	Selected
1	10.64.64.64	255.255.255.255	0.0.0.0	WAN		
2	255.255.255.255	255.255.255.255	0.0.0.0	LAN		
3	192.168.1.0	255.255.255.0	0.0.0.0	LAN		
4	0.0.0.0	0.0.0.0	10.64.64.64	WAN		

[Delete Selected](#)

**Add Routing Rule**

Dest IP:

Host/Net:

Netmask:

Gateway:

Comment:

Maximum number of characters is 32.

[Apply](#) [Reset](#)

CLICK [HERE](#) GET MORE

**Dest IP:** Enter the IP address of the packets that will take this route

**Host/Net:** Single IP address or an entire network segment

**Netmask:** Enter the subnet mask to specify the subnet of the IP packets that will take this route.

**Gateway:** Enter the next hop that will be taken if this route is used.

**Comment:** Remark your defined rule.

## 6 LAN Setting

### 6.1 LAN IP Setup

You can configure the LAN port parameters here.

The screenshot shows the 'LAN IP Setup' configuration page. It includes the following fields and options:

- LAN IP Setup:** IP Address (192.168.1.1), IP Subnet Mask (255.255.255.0).
- LAN2:** LAN2 IP Address (192.168.1.11), LAN2 Subnet Mask (255.255.255.0).
- System Status:** (No visible data)
- Enable DHCP Server:** (Checked)
  - Starting IP Address: 192.168.1.100
  - Ending IP Address: 192.168.1.200
  - Subnet Mask: 255.255.255.0
  - Default Gateway: 192.168.1.1
  - Default DNS Primary IP: 192.168.1.1
  - DNS Secondary IP: 8.8.8.8
  - DHCP Lease Time: 86400 seconds
- Statically Assigned 1:** MAC: [ ], IP: [ ]
- Statically Assigned 2:** MAC: [ ], IP: [ ]
- Statically Assigned 3:** MAC: [ ], IP: [ ]
- Advance:**
  - UPNP: Disable
  - DNS Proxy: Enable
- Apply** button

**IP Address:** Set LAN IP address of the router.

**IP Subnet Mask:** Set subnet mask of the router.

**LAN 2:** Add the LAN IP address, so that LAN users can connect to the router through the LAN network.

**Starting IP Address & Ending IP Address:** The IP range obtained through DHCP by LAN host.

**Subnet Mask:** The subnet mask obtained through DHCP by LAN host

**Default Gateway:** Gateway obtained through DHCP by LAN host.

**DefaultDNS Primary IP:** DNS server obtained through DHCP by LAN host (If enabled DNS Proxy, you had better fill the LAN IP address, so that when the router DNS change, don't reset this).

**DNS Secondary IP:** If you can't connect the DefaultDNS Primary IP address, router will try to connect this IP address.

**UPNP:** To use the Universal Plug and Play (UPnP™) feature click on Enabled. UPNP provides compatibility with networking equipment, software and peripherals.

**DNS proxy:** Choose enable if you want to get DNS service.

## 7 Firewall

### 7.1 Port Forwarding

The screenshot shows the 'Port Forwarding' configuration page. At the top, there are two tabs: 'Port Forwarding' (selected) and 'Virtual Server'. Below the tabs, there is a section titled 'Current Port Forwarding:' which contains a table with columns: No., IP Address, Port Range, Protocol, Comment, and Selected. Below the table are 'Delete Selected' and 'Reset' buttons. Underneath is the 'Add Port Forwarding' section with input fields for 'IP Address', 'Port Range', 'Protocol' (set to 'TCP&UDP'), and 'Comment'. There are 'Apply' and 'Reset' buttons at the bottom of this section. A note at the bottom left says 'The maximum rule count is 32' and at the bottom right 'Maximum number of characters is 32'. A 'CLICK GET MORE' link is at the very bottom left.

**IP Address:** Enter the IP address of the computer on your local network that you want to allow the incoming service to.

**Protocol:** Enter the TCP and/or UDP port or ports that you want to open. You can enter a single port or a range of ports. Separate ports with a common. Example: 24,1009,3000-4000

**Comment:** Enter a name for the rule or select an application from the drop-down menu. Select an application and click to populate the fields.

### 7.2 Virtual Server

Virtual host can be achieved through the public IP address to access web or FTP services, and the remote user automatically shifted to the local LAN server. You can define a virtual server service port, external network services all requests to this port will be redirected to the designated router LAN server (specified by IP address), so that users outside the network can successfully access the LAN server, without affecting the internal LAN network security.

The screenshot shows the 'Virtual Server' configuration page. At the top, there are two tabs: 'Port Forwarding' and 'Virtual Server' (selected). Below the tabs, there is a section titled 'Current Virtual Servers' which contains a table with columns: No., IP Address, Public Port, Private Port, Protocol, Comment, and Selected. Below the table are 'Delete Selected' and 'Reset' buttons. Underneath is the 'Add Virtual Server' section with input fields for 'IP Address', 'Public Port', 'Private Port', 'Protocol' (set to 'TCP&UDP'), and 'Comment'. There are 'Apply' and 'Reset' buttons at the bottom of this section. A note at the bottom left says 'The maximum rule count is 32' and at the bottom right 'Maximum number of characters is 32'. A 'CLICK GET MORE' link is at the very bottom left.

**IP Address:** Enter the IP address of the computer on your local network that you want to allow the incoming service to.

**Public Port/Private Port:** Enter the port that you want to open next to Private Port and Public Port. The private and public ports are usually the same. The public port is the port seen from the Internet side, and the private port is the port being used by the application on the computer within your local network.

**Protocol:** Select TCP, UDP, Both or Other from the drop-down menu.

**Comment:** Enter a name for the rule or select an application from the drop-down menu. Select an application and click to populate the fields

### 7.3 IP/MAC Filter

This function is used to configure disable or enable firewall function. Only when the firewall is enabled, access management filter settings IP filter, MAC filter and Port filter can take effect. Otherwise, those functions are disabled.

**IP/MAC/ Port Filter Setup**

Basic Settings

MAC/IP/Port Filtering: Disable

Default Policy -- The packet that don't match with any rules would be: Drop

Current MAC/IP/ Port Filtering Rules

No.	Source Mac Address	Dest IP Address	Source IP Address	Protocol	Dest Port Range	Source Port Range	Action	Comment	MACid	Selected
<input type="button" value="Delete Selected"/> <input type="button" value="Reset"/>										

Add IP/Port Filter

Mac Address:

Dest IP Address:

Source IP Address:

Protocol: None

Dest Port Range:  -

Source Port Range:  -

Action: Drop

Comment:

(The maximum rule count is 32) Maximum number of characters is 32.

[CLICK GET MORE](#)

**Mac/IP/Port Filtering:** Select "Disable", this function does not take effect, select "Enable", the effect of this function.

**Default Policy:** The packet that doesn't match with any rules would be dropped or accepted.

**MAC Address:** Enter the MAC address to define the rules.

**Dest IP Address:** Enter the destination IP address filtering.

**Source IP Address:** Enter the local IP address filtering.

**Protocol:** Select the protocol of the controlled packet.

**Dest Port Range:** Enter the port range to drop or accept.

**Action:** Rule is defined to drop or accept, in contrast with default policy.

**Comment:** Remark your defined rule.



## 7.4 DMZ

Receive all the data from external network interface forwarded to “DMZ IP address”.

**Enable DMZ:** If an application has trouble working from behind the router, you can expose one computer to the Internet and run the application on that computer.

Note: Placing a computer in the DMZ may expose that computer to a variety of security risks. Use of this option is only recommended as a last resort.

**DMZ Address:** Specify the IP address of the computer on the LAN that you want to have unrestricted Internet communication.

## 7.5 system Security

**Remote Management:** Enable this function, it will allow access Web management pages through the external network interface.

**PING from wan Filter:** Enable this function, it will allow PING router via external network interface.

**SPI Status:** Select “Enable”, to activate the SPI firewall.

## 7.6 URL filter

**URL Filter**

Current Website URL Filter :

No.	URL	Selected
<input type="button" value="Delete"/> <input type="button" value="Reset"/>		

Add URL Filter :

URL :

Current Website Host Filters :

No.	Host (Keyword)	Selected
<input type="button" value="Delete"/> <input type="button" value="Reset"/>		

Add Host (Keyword) Filters :

Keyword :

[CLICK HELP GET MORE](#)

**URL Filters:** Select Deny computers access to only these sites.

**Reset:** Click to delete all entries in the list.

**Keyword Filters:** Enter the keywords or URLs that you want to deny.

## 8 Application

### 8.1 USB Storage

**User Admin** | **Disk** | **SAMBA Server**

User Management :

No.	User Name	Allow Use SAMBA	Selected
<input type="button" value="Delete Selected"/> <input type="button" value="Edit Selected"/> <input type="button" value="Reset"/>			

Add/Edit User

User Name

Password

SAMBA Server  Enable  Disable

The maximum user count is 10

[CLICK HELP GET MORE](#)

**User Name/Password:** Add a user to use the SAMBA server.

**FTP Server:** Enable/Disable the FTP Server competence.

**SAMBA Server:** Enable/Disable the SAMBA Server competence.

The screenshot shows the 'SAMBA Server' configuration page. At the top, there are tabs for 'User Admin', 'Disk', and 'SAMBA Server'. The 'Partition Status' section contains a table with columns 'No.', 'Partition', and 'Path', and a 'Remove Partitions' button below it. The 'Folder List' section contains a table with columns 'No.', 'Directory Path', 'Partition', and 'Selected', and 'Delete' and 'Reset' buttons below it. The 'Folder Add' section has input fields for 'Folder Name' and 'Disk Part', with 'Apply' and 'Reset' buttons below them. At the bottom left, there is a link that says 'CLICK HELP GET MORE'.

**Folder List:** Display USB storage folder.

**Delete:** Selected a folder to delete.

**Folder Add:** Adding a new folder.

The screenshot shows the 'SAMBA Server' configuration page. At the top, there are tabs for 'User Admin', 'Disk', and 'SAMBA Server'. The 'SAMBA Server Setup' section contains a table with columns for 'SAMBA Server' (with 'Enable' and 'Disable' radio buttons), 'SAMBA Work Group' (with a text input field containing 'ralink'), and 'NetBIOS Name' (with a text input field containing 'RalinkSoC'). Below this table are 'Apply' and 'Reset' buttons. The 'Sharing Directory List' section contains a table with columns 'No.', 'Directory Name', 'Directory Path', 'Allow Users', and 'Selected', and 'Delete Directory', 'Edit Permit', and 'Reset' buttons below it. The 'Add/Edit Directory Permit' section has dropdown menus for 'Disk Part', 'Folder Name', and 'Allow Users', with 'Apply' and 'Reset' buttons below them. At the bottom left, there is a link that says 'CLICK HELP GET MORE'.

**SAMBA Server:** Enable/Disable the SAMBA Server.

**SAMBA Work Group:** Enter the name of the SAMBA Working Group.

**Net Bios Name:** Enter the name of the Net Bios.

**Add/Edit Directory Permit:** Allows users to access files

## 8.2 USB Printer

**USB Printer Server:** Enable/Disable the USB Printer Server.

## 8.3 USB Web Cam

**Web Camera:** Enable/Disable the Web Camera.

**Resolution:** You can choose 640x480, 320x240, 160x120 resolution.

**Frames Per Second:** You can choose 5,10,15,20,25,30 frames.

**Port:** Access to the camera's need the port number.

## 8.4 DDNS

This function allows you to provide Internet users with a domain name (instead of an IP address) to access your virtual servers. This router supports dynamic DNS service provided by the provider "<http://www.dyndns.org>" or "<http://www.freedns.afraid.org>". Please register this service at these providers firstly.

**DDNS Provider:** Select the website provides dynamic domain name service.

**Account:** Login registered username on the DDNS provider.

**Password:** Password registered on the DDNS provider.

**DDNS:** Domain name registered on the DDNS provider.

## 8.5 NTP Setting

**Time Zone:** Select the time region.

**NTP Server:** Enter network time protocol Server.

**NTP synchronization:** Synchronization time with NTP server.

## 8.6 PIN Setting

**PIN Code:** Enter the PIN Code to Unlock PIN.

**PIN Enabled:** Enable/Disable the S(U)IM card PIN function.

**PUK:** PIN Unlocking Key, unlock PIN code (PIN1)

**Modify PIN:** Modify the S(U)IM card PIN Code.

## 9 Administration

### 9.1 System Settings

You can set the account and the password which used to login.

**Apply:** system will be restored the factory settings.

## 9.2 Router Upgrade

**Update Firmware:** After you have downloaded the new firmware, click Browse to locate the firmware update on your hard drive. Click Upload to complete the firmware upgrade.

## 9.3 System Log

Time	Level	Content
Jan 1 01:20:14	user.info	syslog: AT Writer Excute: /bin/comgt -d /dev/ttyUSB1 -s /etc_ro/ppp/3g/signal.scr.
Jan 1 01:20:15	user.info	syslog: AT Reader : got 21 words: ^M +CSQ: 23,99^M ^M OK^M .
Jan 1 01:20:20	user.info	syslog: AT Writer Excute: /bin/comgt -d /dev/ttyUSB1 -s /etc_ro/ppp/3g/signal.scr.
Jan 1 01:20:20	user.info	syslog: AT Reader : got 21 words: ^M +CSQ: 23,99^M ^M OK^M .
Jan 1 01:20:25	user.info	syslog: AT Writer Excute: /bin/comgt -d /dev/ttyUSB1 -s /etc_ro/ppp/3g/signal.scr.
Jan 1 01:20:25	user.info	syslog: AT Reader : got 21 words: ^M +CSQ: 23,99^M ^M OK^M .
Jan 1 01:20:30	user.info	syslog: AT Writer Excute: /bin/comgt -d /dev/ttyUSB1 -s /etc_ro/ppp/3g/signal.scr.

Display the log information of starting and running system.





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

The antenna(s) used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons and must not be collocated or operating in conjunction with any other antenna or transmitter, except in accordance with FCC multi-transmitter product procedures.

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, and (2) this device must accept any interference received, including interference that may cause undesired operation

Contains Inside FCC ID:QISMU609