

User Guide

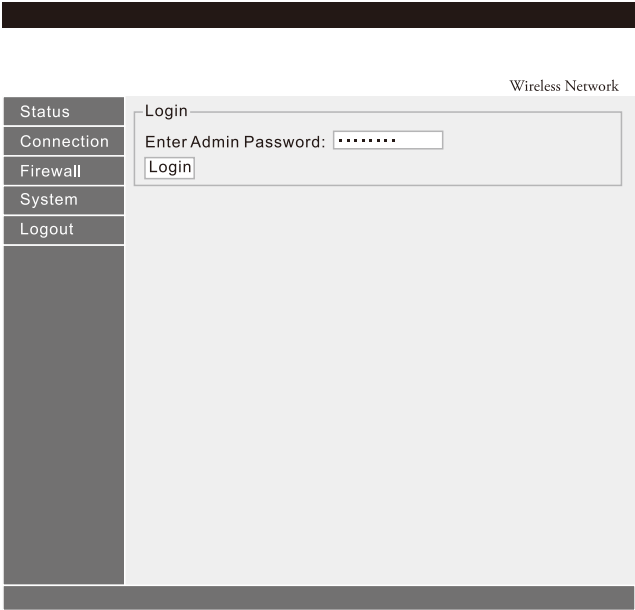
4G Router Manual



4G Router Manual

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Chapter 1 Login



Log in to the computer network to automatically obtain an IP address.
Default IP address: 192.168.110.251, Default login password: password;
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Chapter 2 Status

2.1 Overview

Wireless Network

Status

- Overview
- Connected Hosts
- Connection List

Connection

Firewall

System

Logout

Status

Memory Usage:15.8MB / 122.2MB (12.9%)

Connections:442/16384

CPU Load Averages:0.17 / 0.24 / 0.11 (1/5/15 minutes)

Uptime:0 days, 0 hours, 3 minutes

Current Date & Time:2019/07/18 14:57 UTC+8

LAN IP Address:192.168.110.251

LAN Netmask:255.255.255.0

LAN MAC Address:74:96:37:09:62:18

4G IP Address:10.10.174.248

4G Netmask:255.255.255.240

4G Gateway IP:10.10.174.249

SIM Card Slot:SIM1

4G Signal Strength:Strong

DNS Server:211.136.17.107

211.136.20.203

WAN IP Address:-

WAN Netmask:-

WAN MAC Address:74:96:37:09:62:19

2.1.1 Hardware status

Memory usage, number of connections, and CPU usage (Timeline 1/5/15 minutes respectively).

2.1.2 Time status

System runtime and world time.

2.1.3 LAN port

LAN IP Address, LAN Netmask, LAN MAC Address.

2.1.4 G Network

4G IP Address, Netmask, Gateway IP, SIM Card Slot, Singal Strength.

Note: 4G router reads SIM1 (lower card slot) by default. When the 4G router is started, the Ping watchdog function detects network connectivity. If no response is received within the maximum time limit, 4G router will automatically restart and automatically switch to SIM2 (Upper card slot), continue to detect after reboot, until the network is back to normal. This process takes about 8-9 minutes, please be patient.

2.1.5 DNS Server

DNS Server

2.1.6 WAN Port (WAN port needs to be connected to the external network)

WAN IP Address, Netmask, MAC.

2.2 Connected Hosts

Wireless Network

Status

- Overview
- Connected Hosts
- Connection List

Connection

Firewall

System

Logout

Refresh Rate

10 Seconds ▼

This specifies how frequently data on this page is reloaded

Current DHCP Leases

Hostname	Host IP	Host MAC	Lease Expires
SC-201808131922	192.168.110.182	9C:EB:E8:11:34:3A	11h 54m

Connected Wireless Hosts

Hosts With Active Connections

Hostname	Host IP	Host MAC	Active TCP Cnns	Recent TCP Cnns	UDP Cnns
(unknown)	10.10.174.248	unknown	0	0	12
TD-954G2	127.0.0.1	unknown	0	0	2
SC-201808131922	192.168.110.182	9C:EB:E8:11:34:3A	99	262	16

You can set the page refresh time to display DHCP lease user information, active users.

2.3 Connection List

Wireless Network

Status

- Overview
- Connected Hosts
- Connection List

Connection

Firewall

System

Logout

Current Connections

Refresh Rate:2 Seconds ▼

Bandwidth Units:Auto (Mixed) ▼

Host Display:Display Hostnames ▼

Proto	WAN Host/LAN Host	Bytes Up/Down	L7 Proto
tcp	10.10.174.248:51609 111.45.68.207:443	224.578 KBytes 7,382 KBytes	
tcp	10.10.174.248:51601 183.240.115.248:443	214.101 KBytes 6,287 KBytes	
tcp	10.10.174.248:51300 183.232.152.223:443	185.267 KBytes 6,095 KBytes	
tcp	10.10.174.248:51538 183.232.152.223:443	174.070 KBytes 4,950 KBytes	

1.You can set the page refresh time, you can modify the traffic data unit, display mode host name / IP.

=====

Chapter 3 Connection

3.1 Basic settings

Status

Connection

- Basic
- DHCP
- APN
- Dynamic DNS
- Ping Watchdog
- Remote Management

Firewall

System

Logout

Internet / WAN

Connect Via:

DHCP (Wired) ▼

Current IP:

Current Lease Expires:

Use Custom MAC Address:

☐

74:96:37:09:62:19

Use Custom MTU:

☐

1500

Local Network/ LAN

Router IP:

192.168.110.251

Subnet Mask:

255.255.255.055

DNS Servers:

☐ Default DNS Servers Specified byISP ▼

☐ Allow NameCoin/OpenNIC Resolution

☐ Force Clients To Use Router DNS Servers

Wireless

Wireless Mode:

Access Point (AP) ▼

Operation Mode:

N+G+B ▼

Channel Width:

40MHz (2nd chan. below) ▼

Transmit Power:

Max ▼28 (0 - 28dBm)

Wireless MAC Filter:

Disabled ▼

Access Point SSID:

Todaair.4G

Wireless Channel:

11 ▼

3.1.1 Internet/WAN

DHCP (wired) - The WAN port connects to the upper-level route, and automatically obtains the external network resources allocated by the superior route to access the Internet, or dials the Internet using the 4G card*1.

Note : 4G SIM card loading instructions: 1. Make sure the SIM card supports the local operator network. 2.This product provides dual card slots(does not support dual SIM cards at the same time , and supports automatic switching of dial-up SIM after disconnected network). 3.The size of the SIM card is a standard card. When inserting, the oblique opening is inward and the contact is downward.

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Status

Connection

- Basic
- DHCP
- APN
- Dynamic DNS
- Ping Watchdog
- Remote Management

Firewall

System

Logout

Internet / WAN

Connect Via:

Static IP (Wired) ▼

Static IP:

10.1.1.10

Subnet Mask:

255.255.255.0

Gateway:

127.0.0.1

Use Custom MAC Address:

☐

74:96:37:09:62:19

Use Custom MTU:

☐

1500

Local Network/ LAN

Router IP:

192.168.110.251

Subnet Mask:

255.255.255.055

DNS Servers:

☐ Default DNS Servers Specified byISP ▼

☒ Allow NameCoin/OpenNIC Resolution

☐ Force Clients To Use Router DNS Servers

Wireless

Wireless Mode:

Access Point (AP) ▼

Operation Mode:

N+G+B ▼

Channel Width:

40MHz (2nd chan. below) ▼

Transmit Power:

Max ▼28 (0 - 28dBm)

Wireless MAC Filter:

Disabled ▼

Access Point SSID:

Todaair.4G

Wireless Channel:

11 ▼

Static IP(Wired)-Manually fill in the static IP address to obtain the upper-layer routing external network resources.

Wireless Network	
Status	Operation Mode: N+G+B ▼
Connection	Channel Width: 40MHz (2nd chan. below) ▼
	Transmit Power: Max ▼ 28 (0 - 28dBm)
	Wireless MAC Filter: Disabled ▼
	Access Point SSID: Todaair.4G
	Wireless Channel: 11 ▼
Dynamic DNS	Encryption: None ▼
Ping Watchdog	Broadcast SSID: Enabled ▼
Remote Management	Wireless Client Isolation: Disabled ▼
Firewall	
System	
Logout	Save Changes ◀ Reset ▶

3.1.2 Local Network/LAN

Users can modify the router IP, mask, DNS and other information.

Wireless Network							
Status	DHCP						
Connection	<input checked="" type="checkbox"/> LAN DHCP Server Enabled						
	DHCP range:						
	Start: 192.168.110. 100						
	End: 192.168.110. 250						
	Lease Time: 12 (hours)						
Dynamic DNS	Static IPs						
Ping Watchdog	<input type="checkbox"/> Block MAC addresses assigned a static IP that connect from a different IP						
Remote Management	Add Static IP Address						
Firewall	<table border="1"> <thead> <tr> <th>Hostname (optional)</th> <th>MAC</th> <th>IP</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td></td> </tr> </tbody> </table>	Hostname (optional)	MAC	IP			
Hostname (optional)	MAC	IP					
System							
Logout	Add						
	Select Hostname/MAC From Currently Connected Hosts ▼						
	Assigned Static IP Addresses:						
	Save Changes ◀ Reset ▶						

3.1.3 Wireless

Users can modify the wireless status, including wireless mode, operation mode, Channel Width, power, broadcast SSID, channel, encryption/non-encryption, broadcast/non-broadcast. Wireless MAC Filtering Users can edit the MAC black/white list by themselves.

3.2 DHCP

3.2.1 DHCP&Static IPs

Users can open the DHCP server, range, lease time, and so on. Or customize the client IP.

3.3 APN

Wireless Network	
Status	APN Configuration
Connection	Enable/Disable: Enabled ▼
	APN:
	PIN Code:
	Username:
	Password:
Dynamic DNS	<input type="checkbox"/> Display/Hidden
Ping Watchdog	Authentication Type(pap, chap, both, none):
Remote Management	IP-Stack Mode(IP,IPv6,IPv4V6):
Firewall	PLMN Code(MCC +MNC):
System	Delay(No change recommended): 15 Seconds
Logout	
	Save Changes ◀ Reset ▶

Users can set according to the APN settings provided by the operator.

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3.4 DDNS setting

Users can choose DDNS service provider to set it.

Wireless Network	
Status	Dynamic DNS
Connection	Add Dynamic DNS Service:
	Service Provider:
	DyDNS.DoNm:
	DyDNS.UsrN:
	DyDNS.Psw:
Dynamic DNS	Check Interval:
Ping Watchdog	Force Update Interval:
Remote Management	
Firewall	Add DDNS Service
System	
Logout	

3.5 Ping Watchdog

Wireless Network

Status

Connection

Basic

DHCP

APN

Dynamic DNS

Ping Watchdog

Remote Management

Firewall

System

Ping Watchdog

Address:qq.com

Interval:2 Minutes

Save Changes

Reset

The “Ping Watchdog” function is a function of 4G router detection network connectivity. It sends a Ping packet to a specified address periodically. If the reply is received normally, the network is unobstructed. If no response is received within the maximum time limit, the 4G route will automatically restart. After the restart, the detection will continue until the network returns to normal.

3.6 Cloud Management

Add the cloud code to the binging code, and you can view the router's online status and device status on the platform. For detailed, please refer to the cloud platform instruction manual.

Wireless Network

Status

Connection

Basic

DHCP

APN

Dynamic DNS

Ping Watchdog

Remote Management

Firewall

System

Logout

Cloud

Binding code:☐ ☐ Show/Hide

Access the cloud management platform!

Save Changes

Reset

Chapter 4 Firewall

4.1 Port Forwarding

It is support individual port forwarding, port range forwarding, DMZ, UPnP and NAT-PMP functions.

Status

Connection

Firewall

Port Forwarding

Connection Limit

Restrictions

System

Logout

Individual Port Forwarding

Forward Individual Ports From WAN to LAN:

Description (optional)

Protocol

From Port

To IP

To Port (Optional)

Add

Port Range Forwarding

Forward Port Range From WAN to LAN:

Description (optional)

Protocol

From Port

To IP

To Port

Add

DMZ

☐ Use DMZ (De-Mitarized Zone)

DMZ IP:192.168.110.252

UPnP /NAT-PMP

☐ Enable UPnP & NAT-PMP serice

Active port forwards.

Proto

LANHost

Port

Upload speed to report:1250 Kbytes / second

The user can set the port functions according to actual needs.

4.2 Connection Limits & Restrictions

Set up TCP/UDP timeout in the router

Status	Connection Limist	
Connection	Max connections:	<input type="text" value="16384"/> (max 16384)
Firewall	TCP Timeout:	<input type="text" value="7440"/> seconds(max 3600)
	UDP Timeout:	<input type="text" value="180"/> seconds(max 3600)
Port Forwarding > Connection Limist Restrictions	<input type="button" value="Save Changes"/> <input type="button" value="Reset"/>	
System		
Logout		

4.3 Restrictions

Wireless Network	
Status	Access Restrictions
Connection	New Restriction Rule:
Firewall	Rule Description:
	Rule Applies To:
	Schedule:
	Restricted Resources:
Port Forwarding Connection Limist > Restrictions	<input type="button" value="Add New Rule"/>
System	Current Restrictions:
Logout	Exceptions (White List)
	New Exception:
	Exception Description:
	Exception Applies To:
	Schedule:
	Permitted Resources:
	<input type="button" value="Add New Rule"/>
	Current Exceptions:
	<input type="button" value="Save Changes"/> <input type="button" value="Reset"/>

Users can set connection restrictions and access rules according to actual needs.

Chapter 5 System

5.1 Router Access

Status	Web Access
Connection	Web Admin Protocol:
Firewall	Local HTTP Port:
	Local HTTPS Port:
System	Remote Web Admin Access:
	Web Login Session Length:
	<input type="checkbox"/> Disable password protection of web interface(Not Recommended!)
Router Access Time Restore Update Firmware Reboot	SSH Access
	LocalSSH Port:
	<input type="checkbox"/> Enable Remote SSH Access
	Remote SSH Port:
	Max Remote Login Attempts:
Logout	Change Administrator Password
	New Password:
	Confirm Password:
	<input type="button" value="Save Changes"/> <input type="button" value="Reset"/>

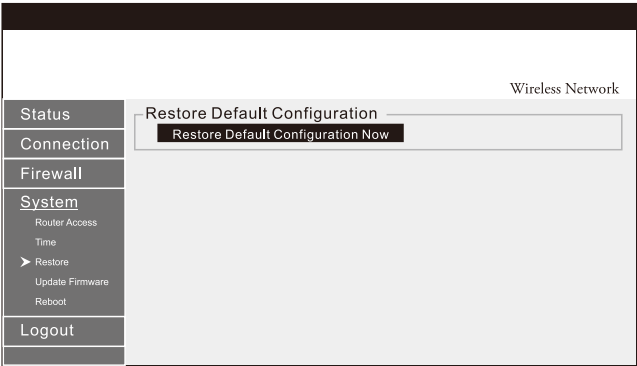
Users can modify the Webaccess rule settings, SSH access settings, and modify the login password.

5.2 Time

Status	Time
Connection	Current Date &u Time: 2019/07/18 15:00 UTC+8
Firewall	Time Zone:
	Date Format:
System	NTP Servers:
Router Access Time Restore Update Firmware Reboot	<input type="button" value="Save Changes"/> <input type="button" value="Reset"/>
Logout	

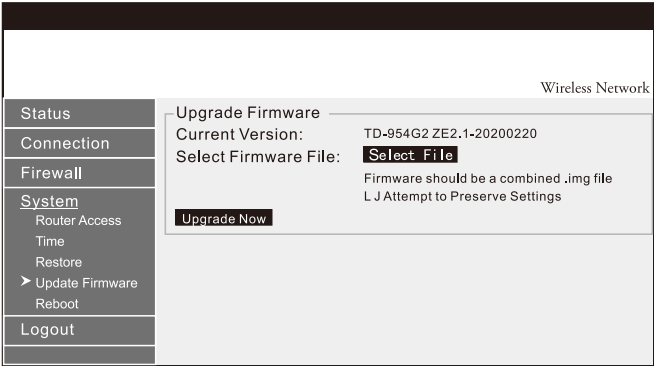
Set the corresponding time zone, date format and NTP (time) server. After the external network connection is successful, it will be calibrated according to the settings.

5.3 Restore



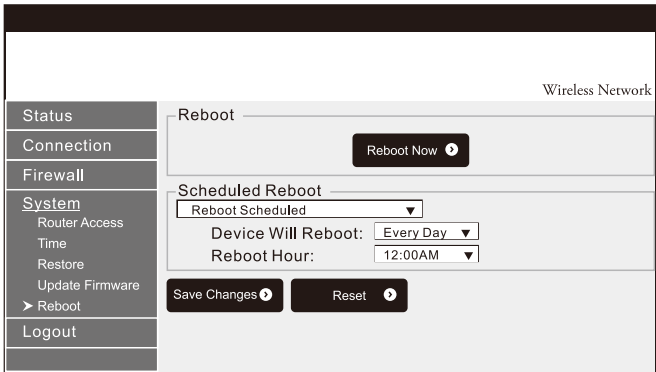
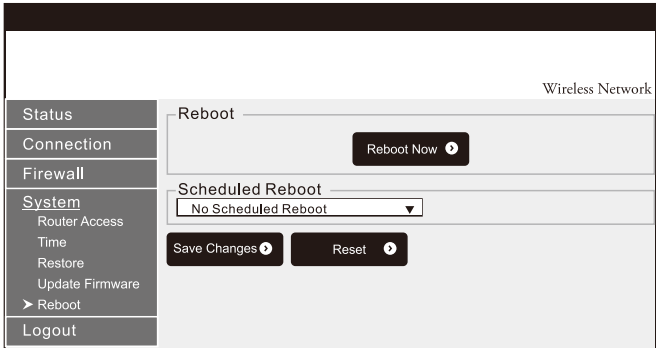
Web interface control to restore settings
Hardware control to restore settings, long press the reset button for 8-10 seconds.

5.4 Update Firmware



Choose the firmware provided by the company to upgrade.

5.5 Reboot



Reboot now or schedule automatic reboot time.

Chapter 6 Logout

Execute to exit the current login status.