

ZTE中兴 | **ZXV10 W300**
Wireless ADSL Router

User Manual



中兴通讯股份有限公司
ZTE CORPORATION

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Safety Instructions

During Installation and Application

- Use the power adapter included in this package. Other power adapters may make the device unable to work normally or even damage the device.
- Pay attention to the load of the power socket and power cable. The overloading power socket or broken power cable may cause electric shock or fire. It is recommended to check the cables periodically and replace the broken one immediately.
- Appropriate space for heat dissipation is required to prevent the product from overheating.
- Keep the product away from heat sources. Avoid the product working in high-temperature or direct sunshine environment.
- Keep the product away from moisture or vapor. Do not splash any fluid on the product.
- Do not place the product on any unstable surface.
- Power off and unplug this product carefully when it is not in use or before cleaning. Pay attention to the high temperature on the power adapter's surface.
- Wait for at least 15 seconds between powering off and re-powering on of the device.
- Do not block the heat dissipation opening of the product.
- If the product is not used for a long period of time, unplug the power cord.

For Service

Do not attempt to disassemble, repair, or open this product, which will lose the warranty services. Contact qualified service personnel in case of problems, especially under the following conditions:

- The power socket or cable is damaged.
- Liquid is splashed into the product.
- The product is exposed to rain or water.
- The product does not work normally when the operating instructions are followed.
- The product is dropped or struck, causing the product damaged.



Caution: Please make no modification to the device.

Chapter 1

Introduction

Overview

W300 is a home and SOHO oriented wireless broadband router integrating ADSL, AP and LAN Switch. It provides triple-play services such as Internet data, voice access, and video access. W300 provides priority access for different services with sophisticated ATM-based and IP-based QoS to meet different requirements for high-speed Internet access, IPTV Video on Demand (VoD), live-broadcast access and voice access. Wireless encryption and built-in firewall prevent unauthorized users from accessing the network, ensuring the security of legal users accessing the wired and wireless networks. W300 supports TR-069 protocol for allowing overall remote network management.



Note: ZTE CORPORATION reserves the right to modify technical specifications in this manual without any notification in advance.

Packing List

The package box for a W300 includes the following components, as shown in Table 1.

TABLE 1 PACKING LIST

Component	Quantity
Z XV10 W300 Wireless ADSL Router	1
External splitter	1
Power adapter	1
Telephone line	1
Straight-through Ethernet cable	1
Warranty card	1
Z XV10 W300 Wireless ADSL Router User Manual	1



Note: Components actually delivered depend on the service provider. If any component is missing or damaged, contact the service provider immediately. Please keep the packing box and components well in case of replacement.

Indicators

There are nine indicators on the front panel of W300, indicating the running status of the device, as shown in Figure 1. The meanings of these indicators are described in Table 2.

FIGURE 1 INDICATORS ON THE FRONT PANEL**TABLE 2 DESCRIPTIONS OF THE INDICATORS**

Indicator	Color	Description
Power	Green	<ul style="list-style-type: none"> ▪ Steady on: The power is connected and switched on. ▪ Off: The power has not been connected or it fails to function.

Indicator	Color	Description
Internet	Green	<ul style="list-style-type: none"> Steady on: the connection is established and the IP address is allocated. In multi-WAN connection mode, it indicates that the default routing WAN connection is established. Flashing: Data is transmitting. The flashing frequency indicates the LAN traffic. Off: The device is not powered on; ADSL link is not established; ADSL is operating in Bridge mode; IP or PPP link is abnormal.
DSL	Green	<ul style="list-style-type: none"> Steady on: ADSL link is established. Flashing: ADSL link is establishing. Off: ADSL link is not established.
LAN1 LAN2 LAN3 LAN4	Green	<ul style="list-style-type: none"> Steady on: The LAN connection is established but no data transferring. Flashing: Data is transmitting. The flashing frequency indicates the LAN traffic. Off: The device is not powered on or the LAN connection has not been established.
Wi-Fi	Green	<ul style="list-style-type: none"> On: The wireless port is enabled. Flashing: Data is transmitting. The flashing frequency indicates the WLAN traffic. Off: The device is not powered on or the wireless port is disabled.
WPS	Green	<ul style="list-style-type: none"> On: The wireless terminal device is connected through WPS successfully. The indicator turns off five minutes later. Slowly flashing: The wireless terminal device is connecting with W300 through WPS. Quickly flashing: There is an error when the wireless terminal is connecting to W300 through WPS Off: There is no wireless terminal device connected to W300 through WPS or the wireless terminal device has been connected to W300 through WPS for more than five minutes.

Ports and Keys

There are ten ports and buttons on the rear panel of W300, as shown in Figure 2. These ports and buttons are described in Table 3.

FIGURE 2 REAR PANEL

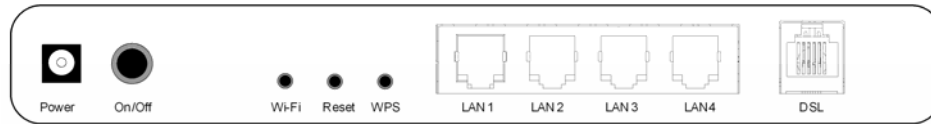


TABLE 3 DESCRIPTIONS OF THE PORTS AND BUTTONS

Identification	Description
POWER	Connected to the companion power adapter.
On/Off	Power switch
Wi-Fi	WLAN switch
Reset	When W300 is in operating status, pressing this button for more than 5 seconds will restore the device default settings and then the device will reboot automatically.
WPS	To enable WPS function and establish a secure transmitting channel for the wireless terminal devices.
LAN1~ LAN4	Connected to PC's network interface card (NIC) or other network device via RJ-45 cable.
DSL	Connected to the ADSL line or splitter via RJ-11 telephone line.

System Requirements

System requirements for the W300 router are as follows:

- The user has already subscribed the ADSL service. The service provider shall provide at least one legal IP address (allocated either statically or dynamically).
- One or more PCs with 10/100M Ethernet Network Interface Card (NIC).
- For wireless access, an external or built-in 802.11b/g wireless adapter is required.
- To configure the system via the Web page based interface, you need a Web browser such as the Internet Explorer (version 6.0 or above), Netscape (version 7.2 or above).

Chapter 2

Product Installation

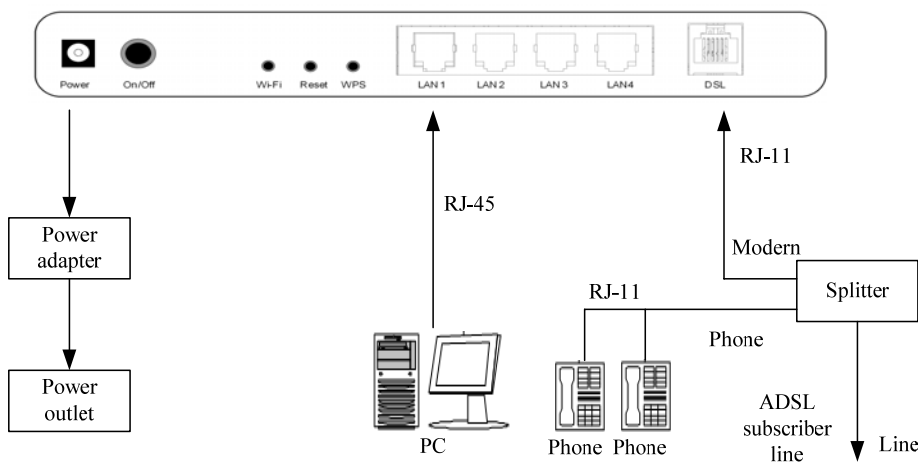
Hardware Connections

Follow the steps below to perform hardware connections.

1. Place the W300 router on the plane surface. Minimize obstacles and the distance between the W300 router and the wireless terminal.
2. Perform ADSL uplink connection

A W300 router can access the ISP's network in ADSL uplink mode, as shown in Figure 3.

FIGURE 3 ADSL UPLINK CONNECTION



If a telephone needs to be installed before the splitter, the user must connect a voice filter in the **Line** port of the splitter; then connect the telephone after the voice filter. The other port connections can be referred to Figure 3.

A splitter consists of three ports:

- Line: The port connected to the ADSL subscriber line.
 - Modem: The port connected to DSL port of W300.
 - Phone: The port connected to a telephone.
3. Use an RJ-45 cable to connect the W300's **LAN1** port to a computer or another network device.
 4. Connect the power adapter to the device and plug the power adapter to the AC power outlet. W300 will be on after pushing the power switch button.



Caution: Please use the companion power adapter. The other power adaptor may make W300 unable to work normally or even damage it.

Default Settings

The factory default settings for a W300 router are listed as follows:

- IP address: 192.168.1.1; subnet mask: 255.255.255.0.
- Use the DHCP server by default (i.e., the IP address can be obtained from the W300 router automatically via DHCP).
- Line coding: Auto negotiation (T1.413/G.DMT/G.LITE/ADSL2 /ADSL2+).
- To log into the configuration page of W300, use the username and password marked on the label of W300 cover.
- Default network name (SSID) for WLAN (Wi-Fi), wireless encryption mode, and encryption key are also marked on the label of the W300 cover.



Note: If the W300 router fails to work due to error configuration or if the user forgets the login password, press the **Reset** button for more than 5 seconds to restore the settings to the default, then the system restarts automatically.

Computer Configuration

Checking Computer Configuration

If the computer uses a proxy server to access the Internet, it is suggested to disable this proxy service before performing the configurations. It is recommended to close the VPN software and the firewalls running on the computer. For example, in Microsoft Internet Explorer, the user may check the proxy service configuration as follows:

1. In the browser menu bar, click **Tools > Internet Options**.
2. Click the **Connections** tab and then click the **LAN Settings** button.
3. Uncheck the **Use a proxy server for your LAN** box if it is checked.
4. Click the **OK** button.

Configuring TCP/IP

If the operating system of the computer is one of the following ones: Windows95, Windows98, WindowsME, Windows2000, and WindowsXP, there are two methods for configuring the computer (the first one is recommended). The following instruction uses WindowsXP as an example (the method under other operation systems are similar).

- Method 1: PC obtains an address from W300 via DHCP.

Perform the steps below:

1. In Windows taskbar, click **Start > Control Panel**.
 2. Double-click the **Network Connection** icon.
 3. Right-click **Local Area Connection** and choose **Properties** from the pop-up short-cut menu.
 4. Select **Internet Protocol (TCP/IP)**, and then click the **Properties** button.
 5. In the **Internet Protocol (TCP/IP) Properties** dialog box, check **Obtain an IP address automatically** and check **Obtain DNS server address automatically**.
 6. Click **OK** to confirm and save the settings.
- Method 2: Configure a static address for PC.

Perform the steps below:

1. In Windows taskbar, click **Start > Control Panel**.
2. Double-click the **Network Connection** icon.
3. Right-click **Local Area Connection** and choose **Properties** from the pop-up short-cut menu.
4. Select **Internet Protocol (TCP/IP)**, and then click the **Properties** button.
5. In **Internet Protocol (TCP/IP) Properties** dialog box, check **Use the following IP address** to specify this computer's IP address. This IP address shall be in the same network segment as the LAN port address of the W300 router and shall be in the form 192.168.1.x (x is a decimal integer between 2~254, for example, 192.168.1.2). Subnet mask is set to 255.255.255.0. Default gateway is set to 192.168.1.1.
6. Check **Use the following DNS server addresses**. To set the IP address of the DNS server, contact local service provider or set it to 192.168.1.1.
7. Click **OK** to confirm and save the settings.

Chapter 3

Configuration Preparation

Logging into Web Configuration Page

Follow the procedure below to log into the Web configuration page.

1. Open a browser (e.g, IE) and type **http://192.168.1.1** (i.e., default IP address of the W300's LAN port) in the address bar.
2. Press the **Enter** key of the keyboard to display the login page.
3. Input the user name and password (marked on the label of W300 cover), and then click the **Login** button to open the main page for configuration.

Viewing Device Status

By default, the main page shows the W300 device status .

- Click **Status > Network Interface > WAN Connection** to view the WAN information.
- Click **Status > Network Interface > ADSL** to view the ADSL information.
- Click **Status > User Interface > WLAN** to view the WLAN information.
- Click **Status > User Interface > Ethernet** to view the Ethernet information.

Chapter 4

Network Configuration

Creating WAN Connection

Follow the steps below to create a WAN Connection.

1. Click **Network > WAN Connection** to open the **WAN** configuration page, as shown in Figure 4.

FIGURE 4 THE WAN CONFIGURATION PAGE

The screenshot displays the WAN Connection configuration interface for a ZTE ZXV10 W300 device. The interface includes a top navigation bar with tabs for Status, Network, Security, Application, Administration, and Logout. A left sidebar lists configuration categories: WAN Connection (selected), ADSL Modulation, WLAN, Address Management, and Routing Management. The main configuration area contains the following fields and options:

- Connection Name: Create WAN Connection (pull-down menu)
- Type: PPPoE (pull-down menu)
- New Connection Name: (text input)
- Enable NAT:
- Enable VLAN:
- VLAN ID: (text input)
- 802.1P: (pull-down menu)
- VPI/VCI: Create (pull-down menu)
- New VPI/VCI: (text input)
- Encapsulation Type: LLC (pull-down menu)
- Service Type: UBR (pull-down menu)
- Username: (text input)
- Password: (text input)
- Authentication Type: Auto (pull-down menu)
- Connection Trigger: Always On (pull-down menu)
- Idle Timeout: 1200 sec (text input)

At the bottom of the configuration area, there are 'Create' and 'Cancel' buttons. The footer of the page reads: Copyright © 2008 ZTE Corporation. All rights reserved.

2. From the **Connection Name** pull-down list box, choose **Create WAN Connection** to create a new WAN connection or choose an existing WAN connection, as shown in Figure 5.

FIGURE 5 CREATING A WAN CONNECTION – 1

Connection Name	Create WAN Connection ▾
	Create WAN Connection
	ppoe
	DHCP

- Choose a connection type from the **Type** pull-down list box, as shown in Figure 6.

FIGURE 6 CREATING A WAN CONNECTION – 2

PPPoA ▾
PPPoE
PPPoA
Static
DHCP
Bridge Connection

- Configure parameters according to the specified network type.
 - If **PPPoE** is selected, the WAN connection configuration page is shown as Figure 7. To create a PPPoE WAN connection, perform the following operations.
 - Specify the **New Connection Name**.
 - Specify the **VPI/VCI** value (provided by ISP).
 - Input the **Username** and **Password** (provided by ISP).
 - Leave the other parameters as default.
 - Click the **Create** button.

FIGURE 7 CREATING A WAN CONNECTION – 3

The screenshot shows the WAN Connection configuration page for a ZTE ZXV10 W300 device. The page is divided into several sections: WAN Connection, ADSL Modulation, WLAN, Address Management, and Routing Management. The main configuration area includes the following fields:

- Connection Name: Create WAN Connection
- Type: PPPoE
- New Connection Name: [Empty]
- Enable NAT:
- Enable VLAN:
- VLAN ID: [Empty]
- 802.1P: 0
- VPI/VCI: Create
- New VPI/VCI: [Empty]
- Encapsulation Type: LLC
- Service Type: UBR
- Username: [Empty]
- Password: [Empty]
- Authentication Type: Auto
- Connection Trigger: Always On
- Idle Timeout: 1200 sec

At the bottom of the page, there are 'Create' and 'Cancel' buttons. The footer contains the text: Copyright © 2008 ZTE Corporation. All rights reserved.

- If **PPPoA** is selected, the WAN connection configuration page is shown as Figure 7. To create a PPPoA WAN connection, perform the following operations.
 - i. Specify the **New Connection Name**.
 - ii. Specify the **VPI/VCI** value (provided by ISP).
 - iii. Input the **Username** and **Password** (provided by ISP).
 - iv. Leave the other parameters as default.
 - v. Click the **Create** button.

FIGURE 8 CREATING A WAN CONNECTION – 4

The screenshot shows the WAN connection configuration interface for a ZTE ZXV10 W300 router. The interface is titled "ZTE中兴 ZXV10 W300" and has a navigation menu with tabs for "Status", "Network", "Security", "Application", "Administration", and "Logout". The "Network" tab is active, and the "WAN Connection" section is expanded. The configuration form includes the following fields and options:

- Connection Name: Create WAN Connection (dropdown)
- Type: PPPoA (dropdown)
- New Connection Name: (text input)
- Enable NAT:
- VPI/VCI: Create (dropdown)
- New VPI/VCI: (text input)
- Encapsulation Type: LLC (dropdown)
- Service Type: UBR (dropdown)
- Username: (text input)
- Password: (text input)
- Authentication Type: Auto (dropdown)
- Connection Trigger: Always On (dropdown)
- Idle Timeout: 1200 sec (text input)

At the bottom of the form, there are "Create" and "Cancel" buttons. The footer of the page reads "Copyright © 2008 ZTE Corporation. All rights reserved."

- If **Static** selected, the WAN connection configuration page is shown as Figure 9. To create a static WAN connection, perform the following operations.
 - i. Specify the **New Connection Name**.
 - ii. Specify the **VPI/VCI** value (provided by ISP).
 - iii. Input the static **IP Address**, **Subnet Mask**, **Default Gateway** and DNS server IP address.
 - iv. Leave the other parameters as default.
 - v. Click the **Create** button.

FIGURE 9 CREATING A WAN CONNECTION – 5

The screenshot shows the ZTE ZXV10 W300 web interface. The top navigation bar includes 'Status', 'Network', 'Security', 'Application', 'Administration', and 'Logout'. The left sidebar shows a tree view with 'WAN Connection' selected. The main content area is titled 'Create WAN Connection' and contains the following fields and options:

- Connection Name: Create WAN Connection (dropdown)
- Type: Static (dropdown)
- New Connection Name: [text input]
- Enable NAT:
- Enable VLAN:
- VLAN ID: [text input]
- 802.1P: 0 (dropdown)
- VPI/VCI: Create (dropdown)
- New VPI/VCI: [text input]
- Encapsulation Type: LLC (dropdown)
- Service Type: UBR (dropdown)
- IP Address: [text input]
- Subnet Mask: [text input]
- Default Gateway: [text input]
- DNS Server1 IP Address: [text input]
- DNS Server2 IP Address: [text input]
- DNS Server3 IP Address: [text input]

At the bottom right, there are 'Create' and 'Cancel' buttons. The footer text reads: 'Copyright © 2008 ZTE Corporation. All rights reserved.'

- If **DHCP** selected, the WAN connection configuration page is shown as Figure 10. To create a DHCP WAN connection, perform the following operations.

- Specify the **New Connection Name**.
- Specify the **VPI/VCI** value (provided by ISP).
- Leave the other parameters as default.
- Click the **Create** button.

FIGURE 10 CREATING A WAN CONNECTION – 6

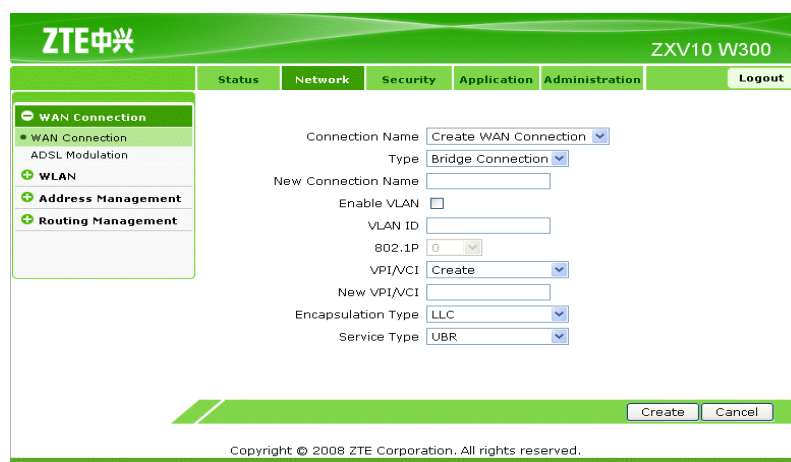
The screenshot shows the ZTE ZXV10 W300 web interface. The top navigation bar includes 'Status', 'Network', 'Security', 'Application', 'Administration', and 'Logout'. The left sidebar shows a tree view with 'WAN Connection' selected. The main content area is titled 'Create WAN Connection' and contains the following fields and options:

- Connection Name: Create WAN Connection (dropdown)
- Type: DHCP (dropdown)
- New Connection Name: [text input]
- Enable NAT:
- Enable VLAN:
- VLAN ID: [text input]
- 802.1P: 0 (dropdown)
- VPI/VCI: Create (dropdown)
- New VPI/VCI: [text input]
- Encapsulation Type: LLC (dropdown)
- Service Type: UBR (dropdown)

At the bottom right, there are 'Create' and 'Cancel' buttons. The footer text reads: 'Copyright © 2008 ZTE Corporation. All rights reserved.'

- If **Bridge Connection** selected, the WAN connection configuration page is shown as Figure 11. To create a bridge mode WAN connection, perform the following operations.
 - i. Specify the **New Connection Name**.
 - ii. Specify the **VPI/VCI** value (provided by ISP).
 - iii. Leave the other parameters as default.
 - iv. Click the **Create** button.

FIGURE 11 CREATING A WAN CONNECTION – 7



Wireless Configuration

Configuring WLAN Basic Parameters

Click **Network > WLAN > Basic** to open the basic parameter configuration page, as shown in Figure 12. Set the parameters according to the descriptions below.

- **Enable Wireless RF:** Whether to enable wireless RF function.
- **Mode:** There are three available modes.
 - Mixed (802.11b+802.11g): Support 802.11b and 802.11g
 - IEEE 802.11b only: Support 802.11b only
 - IEEE 802.11g only: Support 802.11g only

- **Channel:** To select the channel for communication between the W300 router and the wireless terminal devices. It is recommended to use channel 1, 6 and 11.
- It is recommended to leave other parameters as default. If it is necessary to change the parameters, please consult the professionals.
- Click the **Submit** button to complete the basic configuration.

FIGURE 12 THE WLAN BASIC CONFIGURATION PAGE

The screenshot displays the 'WLAN Basic Configuration' page for a ZTE ZXV10 W300 router. The interface is divided into several sections:

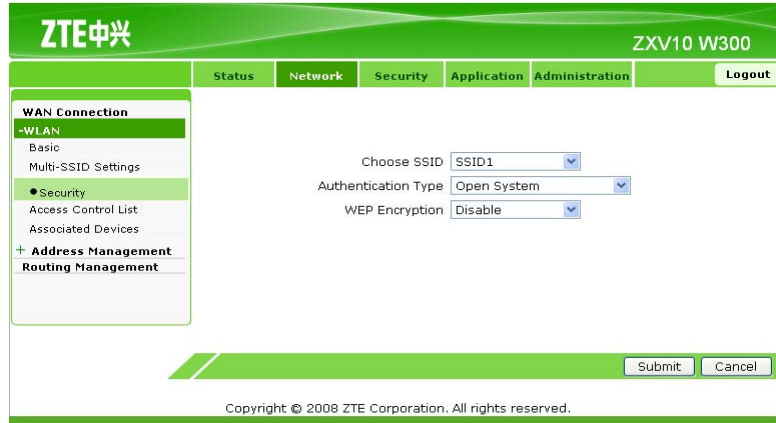
- Navigation:** A top menu bar with 'Status', 'Network', 'Security', 'Application', 'Administration', and 'Logout'. A left sidebar menu includes 'WAN Connection', '-WLAN', 'Basic', 'Multi-SSID Settings', 'Security', 'Access Control List', 'Associated Devices', '+ Address Management', and 'Routing Management'.
- Configuration Fields:**
 - Enable Wireless RF:
 - Enable Isolation:
 - Mode: Mixed(802.11b+802.11g) (dropdown)
 - Channel: 6 (dropdown)
 - Beacon Interval: 100 ms (text input)
 - Tx Rate: Auto (dropdown)
 - Transmitting Power: 100% (dropdown)
 - QoS Type: Disabled (dropdown)
 - RTS Threshold: 2347 (text input)
 - DTIM Interval: 1 (text input)
 - Fragment Threshold: 2346 (text input)
- Buttons:** 'Submit' and 'Cancel' buttons are located at the bottom right.
- Footer:** Copyright © 2009 ZTE Corporation. All rights reserved.

Configuring WLAN Security Parameters

Follow the steps below to configure the WLAN security parameters.

1. Click **Network > WLAN > Security** to open the WLAN security parameter configuration page, as shown in Figure 13.

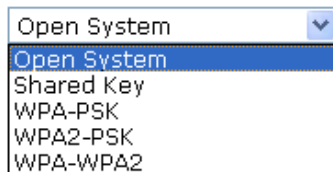
FIGURE 13 THE WLAN SECURITY CONFIGURATION PAGE



2. Select an encryption type from the **Authentication Type** pull-down list box, as shown in Figure 14. The options listed in Figure 14 is described as follows:

- **Open System:** No encryption
- **Shared Key:** WEP encryption (recommended)
- **WPA-PSK:** WPA encryption
- **WPA2-PSK:** WPA encryption
- **WPA-WPA2:** WPA encryption

FIGURE 14 SETTING WLAN SECURITY PARAMETERS – 1



- To adopt the WEP encryption mode, select **Shared Key** from the **Authentication Type** pull-down list box or select **Enable** from the **WEP Encryption** pull-down list box and the WEP encryption parameters are displayed, as shown in Figure 15.
 - **WEP Encryption Level:** To select the WEP key length, 64 bits or 128 bits. A 128-bit key has a higher security than a 64-bit key, although a 64-bit key is usually adopted.
 - **WEP Key Index:** To determine which group of the encryption key to be adopted.

- **WEP Key1 ~ WEP Key4:** To input the encryption key. For a 128-bit key, input 26 hexadecimal digits or 13 ASCII characters; for a 64-bit key, input 10 hexadecimal digits or 5 ASCII characters.

Click **Submit** to complete the configuration of WEP encryption.

FIGURE 15 SETTING WLAN SECURITY PARAMETERS – 2

The screenshot shows the ZTE ZXV10 W300 web interface. The 'Security' tab is selected, and the 'WLAN Security' section is expanded. The configuration fields are as follows:

- Choose SSID: SSID1
- Authentication Type: Shared Key
- WEP Encryption: Enable
- WEP Encryption Level: 64bit
- WEP Key Index: 1
- WEP Key1: 11111
- WEP Key2: 22222
- WEP Key3: 33333
- WEP Key4: 44444

Below the keys, a note states: "26 hexadecimal digits or 13 ASCII chars can be entered for 128-bit WEP Encryption Key. 10 hexadecimal digits or 5 ASCII chars can be entered for 64-bit WEP Encryption Key." The interface includes a 'Submit' button and a 'Cancel' button at the bottom right. The footer contains the text: "Copyright © 2008 ZTE Corporation. All rights reserved."

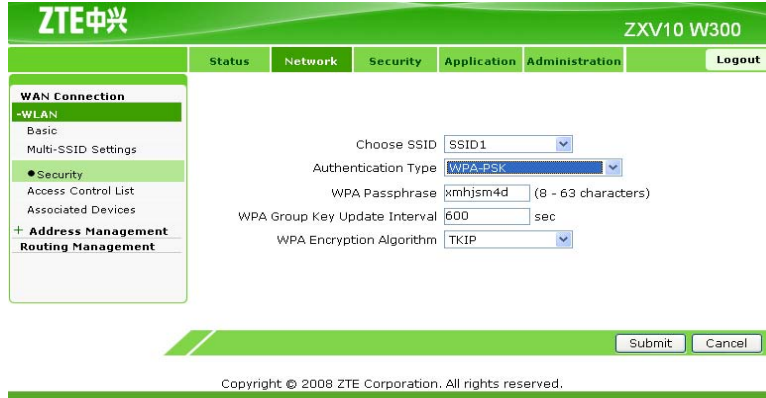


Note: WEP (Wired Equivalent Privacy) encryption is a popular adopted WLAN security protocol to enhance the security and confidentiality of wireless communication. Currently, almost all of the existing WLAN network adapters support WEP encryption.

- To adopt the WPA encryption mode, select **WPA-PSK**, **WPA2-PSK**, or **WPA- WPA2** from the **Authentication Type** pull-down list box. And the WPA encryption parameters are displayed, as shown in Figure 16.
 - **WPA Passphrase:** To specify the WPA encryption key (8~63 characters)
 - **WPA Group Key Update Interval:** To set the update interval of the WPA encryption key
 - **WPA Encryption Algorithm:** To select the WPA encryption algorithm, TKIP or AES.

Click **Submit** to complete the configuration of WPA encryption.

FIGURE 16 SETTING WLAN SECURITY PARAMETERS – 3



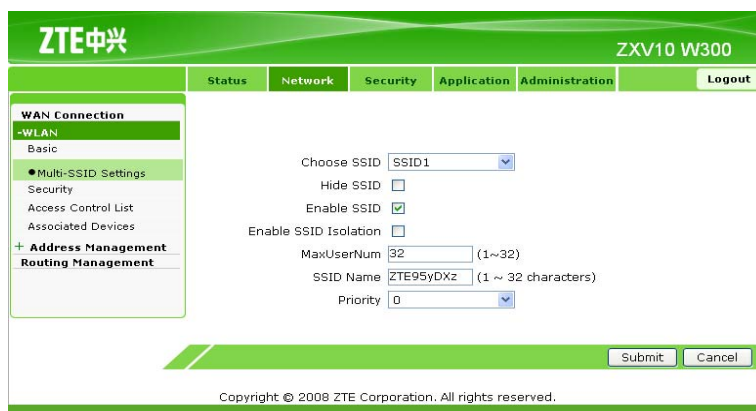

Note: WPA encryption is Wi-Fi encryption (Wi-Fi Protected Access).

Configuring Multiple SSIDs

SSID is the name of a wireless access point to be distinguished from another. It is case sensitive and must not exceed 32 characters. Users can set multiple SSIDs for W300.

Click **Network > WLAN > Multi-SSID Settings** to open the SSID configuration page, as shown in Figure 17.

FIGURE 17 SETTING MULTIPLE SSIDS



➤ **Choose SSID:** Choose an SSID to be configured.

- **Hide SSID:** If this option is enabled, this SSID will not be searched by the wireless terminal devices.
- **Enable SSID:** Choose this option to enable this SSID.
- **SSID Name:** Input an SSID name (1~32 characters).
- **Priority:** Set a priority level: 0~7

Click **Submit** to complete the configuration of multiple-SSID settings.

Checking Associated Device

Follow the steps below:

1. Click **Network > WLAN > Associated Device** to open the configuration page of the associated device of wireless connection.
2. Choose an SSID and then click **Refresh** to refresh the address of the associated device.

Configuring Access Control List

1. Click **Network > WLAN > Access Control List** to open the configuration page of the access control list of wireless connection.
2. Configure the parameters as described follows:
 - **Choose SSID:** Choose an SSID.
 - **Mode:** Select a mode (**Disabled**, **Block**, and **Permit**)
 - **MAC Address:** Enter the MAC address of the device.
3. Click **Add** to finish the configuration of access control list.

Chapter 5

Application Configuration

Configuring UPnP

Follow the steps below:

1. Click **Application** > **UPnP** to open the UPnP configuration page.
2. Enable the UPnP function and specify the WAN connection type.
3. Click Submit to save the configurations.

Configuring DMZ Host

It is required to enable the DMZ host function in the case that W300 is operating in routing mode and a local host needs to be accessed by the external network.

Follow the steps below:

1. Click **Application** > **DMZ Host** to open the DMZ host configuration page.
2. Enable the DMZ host function; select the WAN connection type and specify the DMZ host IP address.
3. Click **Submit** to save the configurations.

Chapter 6

Troubleshooting

This chapter describes how to troubleshoot problems when installing and using a W300. For any problems not addressed here; contact the service provider for help.

TABLE 4 TROUBLESHOOTING

Problem	Troubleshooting
The power indicator is OFF when the device is powered on.	Make sure to use the power adapter included in the package. Make sure that the adapter is connected properly to the device and the power outlet.
The DSL indicator is OFF when the telephone line is connected.	Make sure to use a standard telephone line (e.g., the companion telephone line). Make sure that the lines are connected properly. Check all the port connections. Wait for 60 seconds for the device to establish an ADSL connection.
When the telephone line is connected, the DSL indicator is in slowly flashing status.	It indicates the connection failure between the device and the office-end DSLAM. Please make sure that the lines are connected properly. If a telephone is required to be installed in front of the splitter, make sure to install a voice filter properly.
The LAN indicator is OFF when the Ethernet cable is connected.	Make sure that the Ethernet cable is connected properly to the computer and the W300 router. Make sure that the device and computer are all powered on.
WLAN is unable to be connected	Make sure that the Wi-Fi indicator is ON. Make sure that the wireless network adapter is set properly. Check the network name, encryption mode, and encryption key to make sure that they are matched the settings of the W300 router.
PC is unable to access the network	<ul style="list-style-type: none">■ Use the ping command to check if the IP address of the network port of the W300 (192.168.1.1 by default) can be pinged through from the computer. If it cannot be pinged through successfully, check the Ethernet connection and whether the indicator status is normal.■ It is recommended that the local IP address and DNS server address are set to be obtained automatically.■ It is recommended to close all the running firewall and VPN software.■ It is required to disable the proxy server setting of the Web browser (e.g., IE).■ The failure reason may be that the office-end devices of the ADSL service provider are being upgraded or in maintenance.

Appendix A

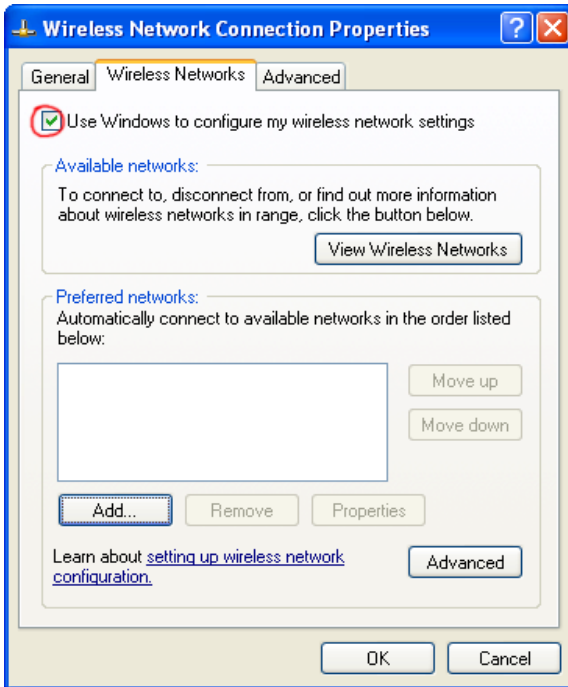
WLAN Configuration

To access the W300 router in the wireless way, users need to configure WLAN settings for computer. The following example assumes that a laptop computer with a built-in wireless network adapter is used and the operating system is Windows XP.

Follow the steps below to configure WLAN on computer:

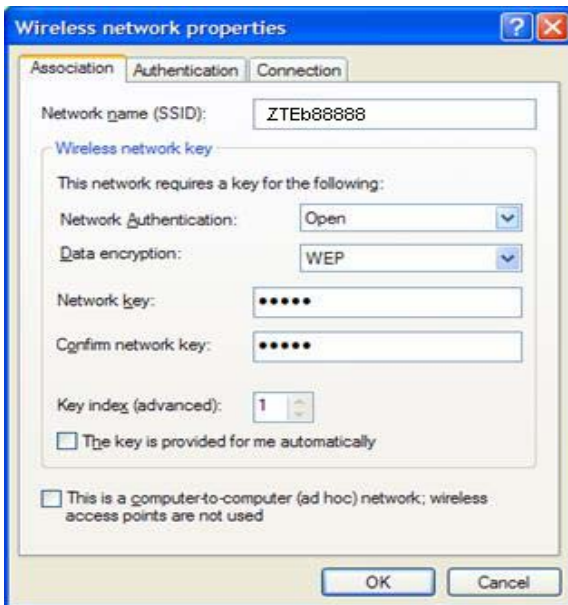
1. From the Windows taskbar, click **Start > Control Panel**.
2. Double-click the **Network Connections** icon to open the **Network Connections** window.
3. Right-click the **Wireless Network Connection** icon and choose **Properties** from the pop-up short-cut menu to open the **Wireless Network Connection Properties** page.
4. In the **Wireless Network Connection Properties** page, click the **General** tab, and set the wireless network adapter to obtain the IP address and DNS server address from the W300 router automatically via DHCP.
5. In the **Wireless Network Connection Properties** page, click the **Wireless Networks** tab, and check **Use Windows to configure my wireless network settings**, as shown in Figure 18.

FIGURE 18 WIRELESS NETWORKS

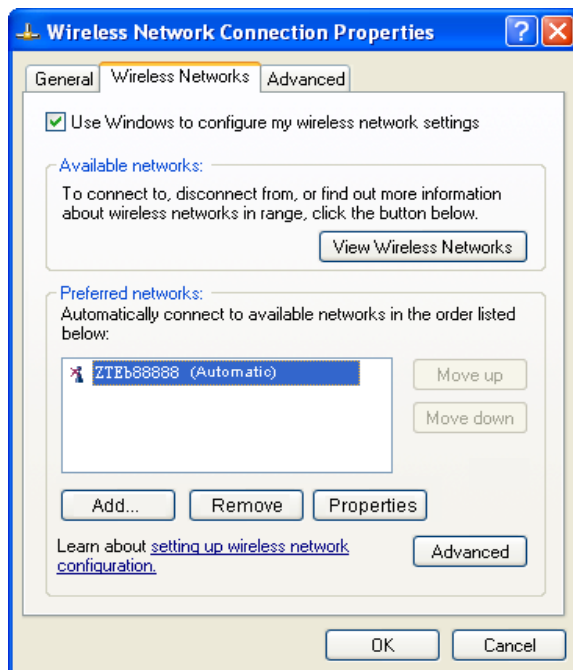


6. Check if the desired WLAN SSID is included in the **Preferred networks** area. If yes, select it. If no, click the **Add** button to open the configuration page shown in Figure 19.

FIGURE 19 ASSOCIATION TAB (WIRELESS NETWORK PROPERTIES)



7. In the **Network name (SSID)** field, input an SSID (the same as the one set for the W300 router, case sensitive). If the W300 router enables wireless security, supposing that the user adopts WEP 64-bit as **Authentication Type** and **Ee68o** as **Encryption key**, select **Open** for **Network Authentication** and **WEP** for **Data encryption**. Uncheck **The key is provided for me automatically**. In the **Network key** fields, input **Ee68o**, and then click **OK** to return.
8. Click the **View Wireless Networks** button to view the wireless network list, as shown in Figure 20.

FIGURE 20 VIEWING WIRELESS NETWORKS

9. Check the wireless network list to see whether the newly added wireless network connection exists. If not, click **Refresh network list** in the left pane of Figure 21. If the wireless network is found, select it and then click the **Connect** button on the bottom of the page. Figure 22 shows the wireless connection status after it is successfully connected with the computer.

FIGURE 21 CHOOSING WIRELESS NETWORK

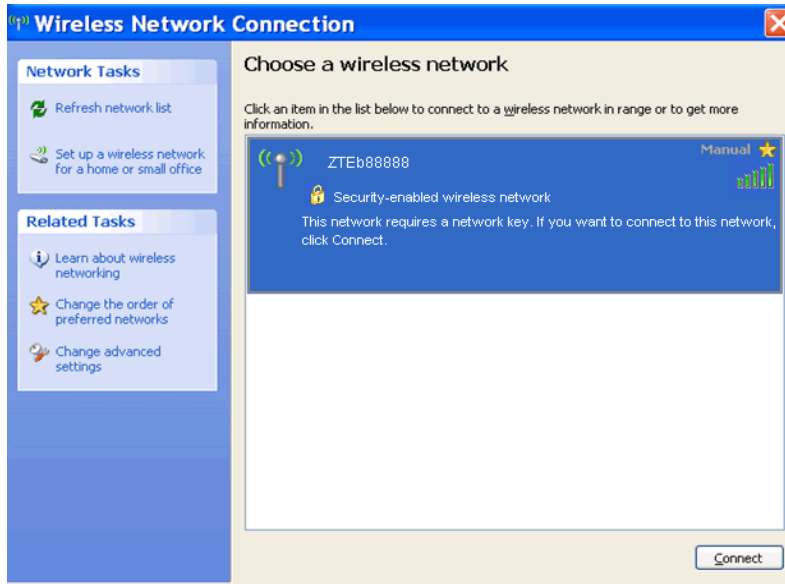


FIGURE 22 SUCCESSFUL WIRELESS CONNECTION

